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COMPUTER CENTER CDC LIBRARIES/PROCFILE (PROCEDURES) (U)

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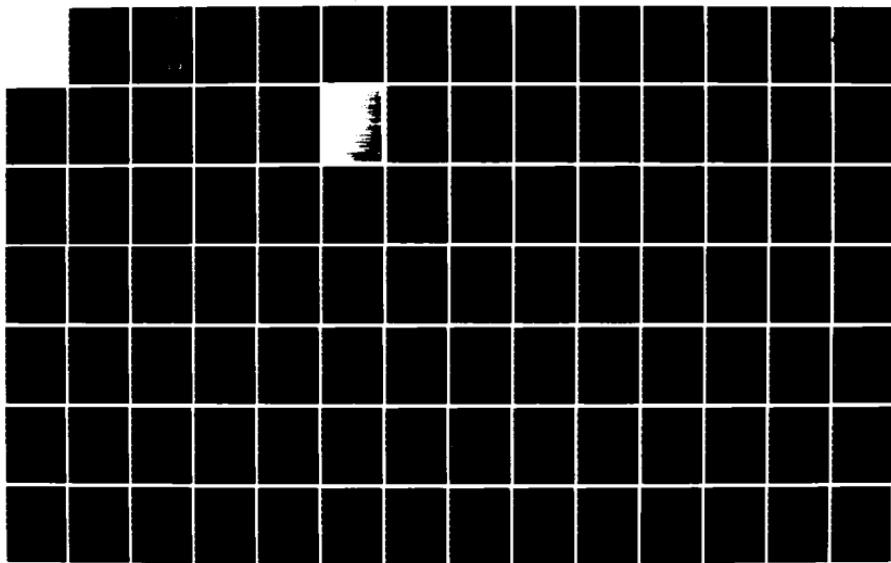
DAVID W TAYLOR NAVAL SHIP RESEARCH AND DEVELOPMENT

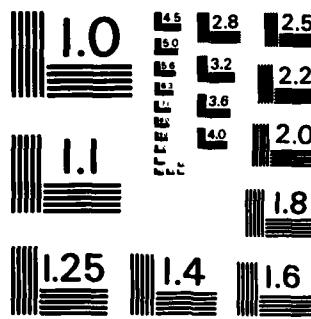
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

# DAVID W. TAYLOR NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER

**Bethesda, Maryland 20084**



COMPUTER CENTER  
CDC LIBRARIES/PROCFILE (PROCEDURES)

by

David V. Sommer

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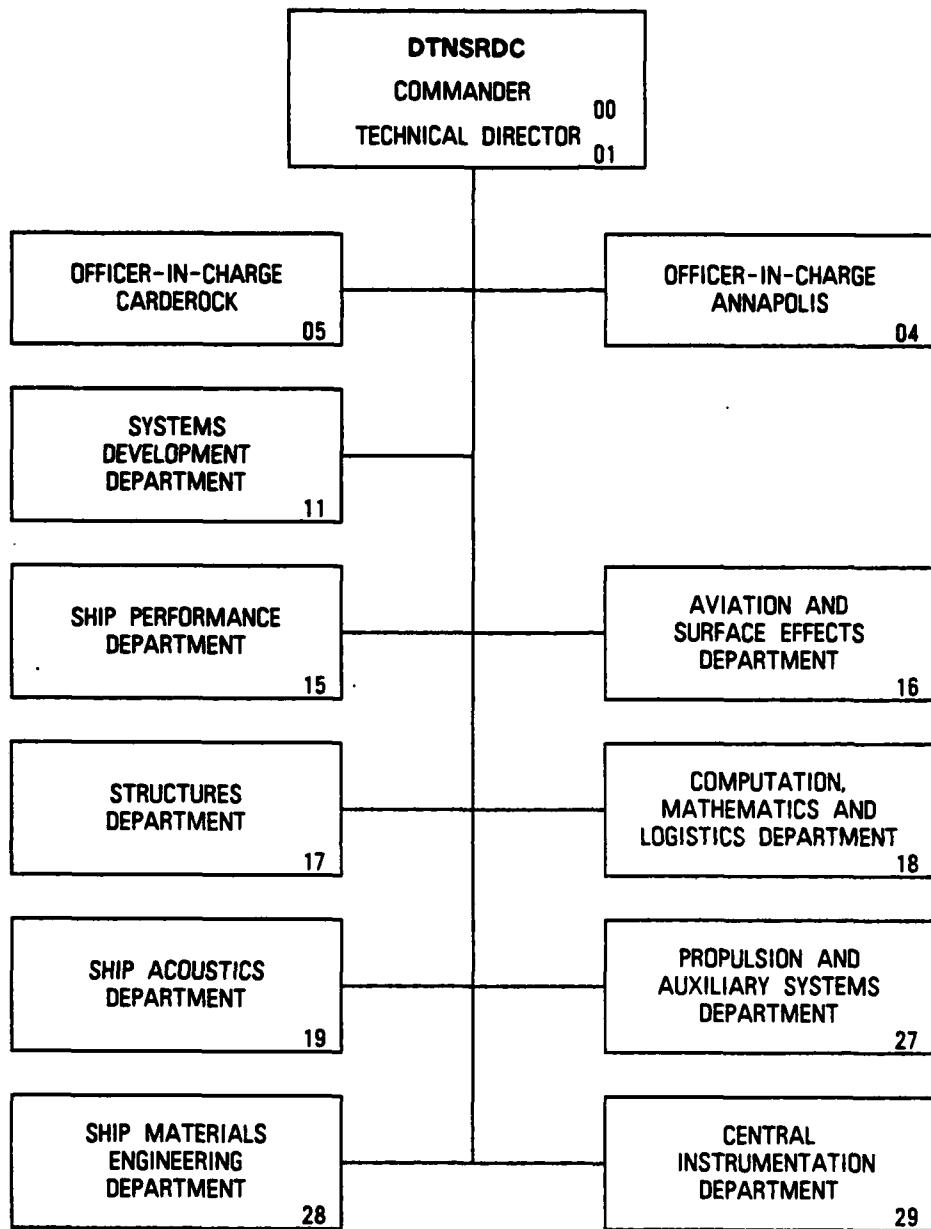
Computation, Mathematics and Logistics Department  
Departmental Report

June 1994

CMLD-34-23

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## MAJOR DTNSRDC ORGANIZATIONAL COMPONENTS



**SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)**

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**SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)**

20 ABSTRACT (CONTINUED)

FUNCTIONAL CATEGORY AND ALPHABETICALLY WITH A DESCRIPTIVE TITLE.  
ALL MACHINE-READABLE DOCUMENTS DETAILING THE USE OF THESE  
PROCEDURES ARE INCLUDED.

S/N 0102-LF-014-6601

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\* COMPUTER CENTER  
\* CDC LIBRARIES / PROCFILE  
\* (PROCEDURES)  
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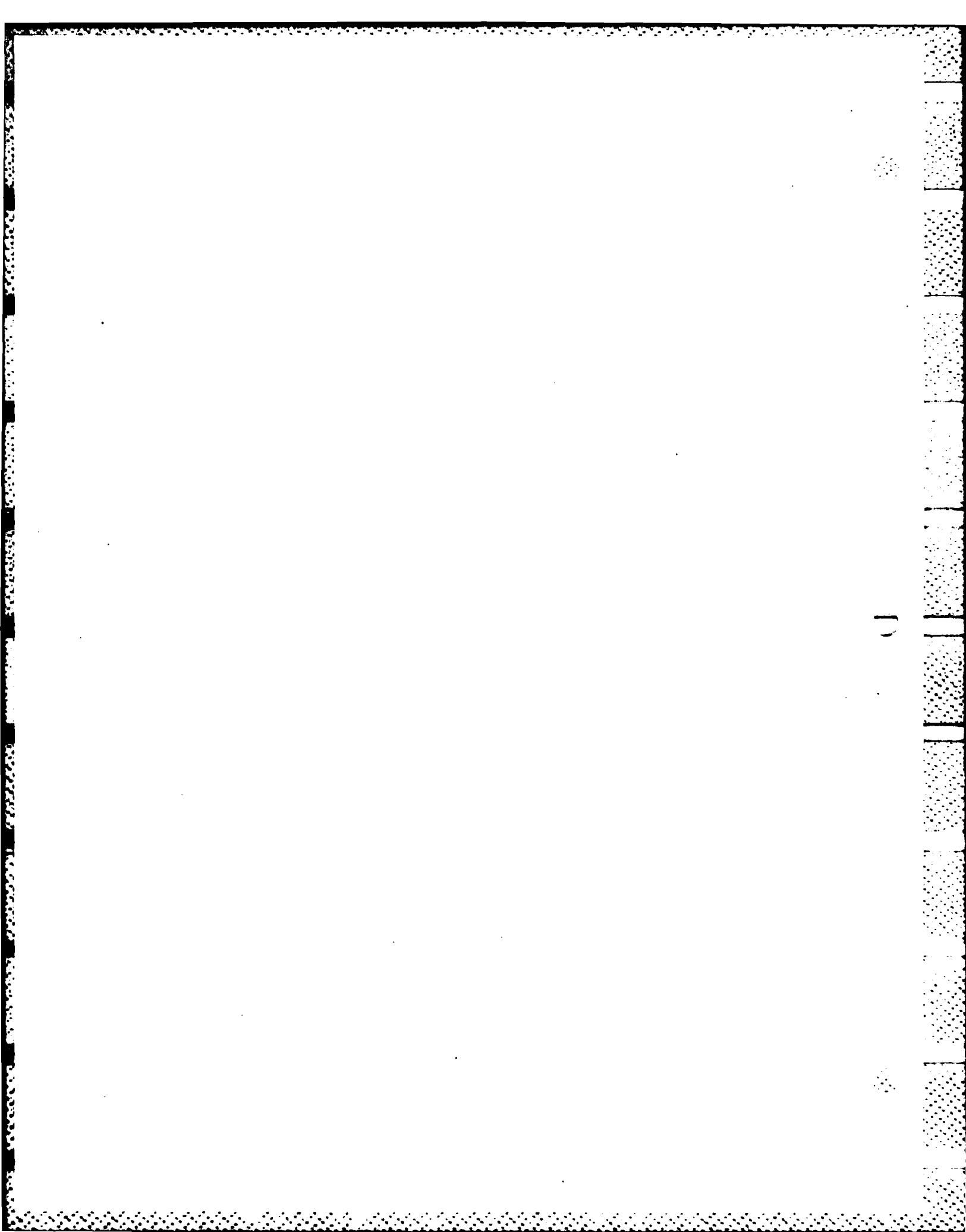
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BY  
DAVID V SOMMER  
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COMPUTATION, MATHEMATICS AND LOGISTICS DEPARTMENT  
DEPARTMENTAL REPORT

JUNE 1984

CMLD-84-13

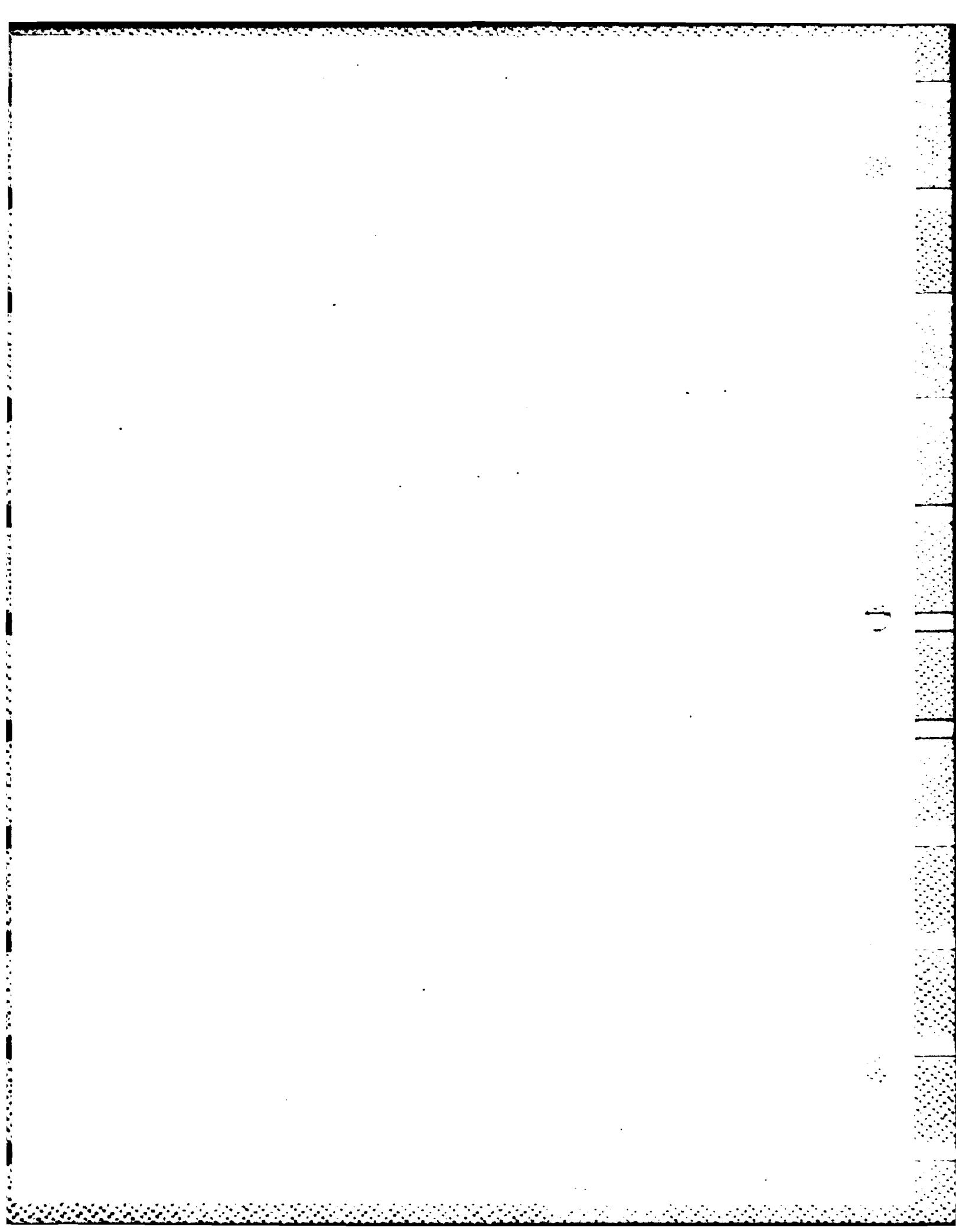


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\* - A LISTING OF THE DOCUMENTS IS NOT INCLUDED IN THIS TABLE OF CONTENTS (SEE PAGE 1-7). AS NEW ROUTINES ARE DEVELOPED, THEY WILL BE INSERTED ALPHABETICALLY INTO THIS DOCUMENT AND MAY BE PRINTED ON THE COMPUTER.



## \*\*\*\*\* INTRODUCTION \*\*\*\*\*

THE COMPUTER CENTER MAKES AVAILABLE ON THE CDC COMPUTERS, IN ADDITION TO THE NOS/BE OPERATING SYSTEM, A WIDE VARIETY OF BOTH SCIENTIFIC AND UTILITY PROGRAMS, SUBPROGRAMS AND CATALOGUED PROCEDURES. MOST OF THE ROUTINES ARE MAINTAINED IN LIBRARIES ON PERMANENT FILES AND MAY BE INVOKED BY THE APPROPRIATE (LOADER) CONTROL STATEMENTS. A FEW PROGRAMS ARE AVAILABLE AS INDEPENDENT PERMANENT FILES.

THE CLIB-SERIES OF MANUALS CONSISTS OF THE FOLLOWING, WHICH DESCRIBE THE CONTENTS OF THE VARIOUS CDC CYBER LIBRARIES MAINTAINED BY THE COMPUTER CENTER:

CLIB - COMPUTER CENTER CDC LIBRARIES	CMLD-84-11
CLIB/N - COMPUTER CENTER CDC LIBRARIES/NSRDC AND NSRDC5 (SUBPROGRAMS)	CMLD-84-12
CLIB/P - COMPUTER CENTER CDC LIBRARIES/PROCFIL (PROCEDURES)	CMLD-84-13
CLIB/U - COMPUTER CENTER CDC LIBRARIES/UTILITY (PROGRAMS)	CMLD-84-14
CLIB/M - COMPUTER CENTER CDC LIBRARIES/MNSRDC (PROGRAMS)	

THIS MANUAL, CLIB/P, IS A REFERENCE MANUAL WHICH DESCRIBES MOST OF CATALOGUED PROCEDURES IN LIBRARY 'PROCFIL'.

## \*\*\* HOW TO USE THIS MANUAL \*\*\*

THE PROCEDURES ARE CLASSIFIED IN ONE OR MORE FUNCTIONAL CATEGORIES (SEE PAGE 1-3 FOR A LIST OF CATEGORIES). THEY ARE LISTED, BEGINNING ON PAGE 1-6, UNDER THE VARIOUS CATEGORIES. THE INDIVIDUAL PROCEDURES ARE LISTED, WITH DESCRIPTIVE TITLE, BEGINNING ON PAGE 1-8. CHAPTER 2 CONTAINS ALL AVAILABLE MACHINE-READABLE DOCUMENTS DESCRIBING THE USE OF PROCEDURES IN LIBRARY 'PROCFIL'.

## \*\*\* LIBRARIES PROCFIL, I, MSS \*\*\*

A CATALOGUED PROCEDURE IS A SET OF CONTROL CARDS WHICH ACCOMPLISH A TASK. LIBRARY 'PROCFIL' CONTAINS MANY DTNSRDC WRITTEN AND/OR SUPPORTED PROCEDURES. FILE 'I' IS A SUBSET OF INTERACTIVE VERSIONS OF SOME PROCEDURES. FILE 'MSS' IS A SUBSET OF THOSE PROCEDURES WHICH ARE USED WITH THE MASS STORAGE SYSTEM.

## \*\*\* EXECUTING A PRODECURE \*\*\*

MOST OF THE PROCEDURES MAY BE EXECUTED BY:

BEGIN,<PROCNAME>, ,<PARAMETERS>.

- OR -

BEGIN,<PROCNAME>, I,<PARAMETERS> << FOR INTERACTIVE PROCEDURES

- OR -

BEGIN,<PROCNAME>, I,? << FOR INTERACTIVE PROMPTING

- OR -

BEGIN,<PROCNAME>,MSS,<PARAMETERS>. << FOR MSS PROCEDURES ONLY

THE INDIVIDUAL DOCUMENTS DESCRIBE THE <PARAMETERS>, IF ANY, AND THE METHOD OF EXECUTION.

## \*\*\* FUNCTIONAL CATEGORIES \*\*\*

THE FOLLOWING FUNCTIONAL CATEGORIES ARE USED AT DTNSRDC. THOSE CATEGORIES PRECEDED BY AN ASTERISK (\*) ARE LOCAL DTNSRDC CATEGORIES. THE OTHER ARE FROM THE VIM (CDC USERS GROUP) LIST.

A0 ARITHMETIC ROUTINES

A1 REAL NUMBERS

A2 COMPLEX NUMBERS

A3 DECIMAL

A4 I/O ROUTINES

B0 ELEMENTARY FUNCTIONS

B1 TRIGONOMETRIC

B2 HYPERBOLIC

B3 EXPONENTIAL AND LOGARITHMIC

B4 ROOTS AND POWERS

C0 POLYNOMIALS AND SPECIAL FUNCTIONS

C1 EVALUATION OF POLYNOMIALS

C2 ROOTS OF POLYNOMIALS

C3 EVALUATION OF SPECIAL FUNCTIONS (NON-STATISTICAL)

C4 SIMULTANEOUS NON-LINEAR ALGEBRAIC EQUATIONS

C5 SIMULTANEOUS TRANSCENDENTAL EQUATIONS

\* C6 ROOTS OF FUNCTIONS

D0 OPERATIONS ON FUNCTIONS AND SOLUTIONS OF DIFFERENTIAL EQUATIONS

D1 NUMERICAL INTEGRATION

D2 NUMERICAL SOLUTIONS OF ORDINARY DIFFERENTIAL EQUATIONS

D3 NUMERICAL SOLUTIONS OF PARTIAL DIFFERENTIAL EQUATIONS

D4 NUMERICAL DIFFERENTIATION

E0 INTERPOLATION AND APPROXIMATIONS

E1 TABLE LOOK-UP AND INTERPOLATION

E2 CURVE FITTING

E3 SMOOTHING

E4 MINIMIZING OR MAXIMIZING A FUNCTION

F0 OPERATIONS ON MATRICES, VECTORS & SIMULTANEOUS LINEAR EQUATIONS

F1 VECTOR AND MATRIX OPERATIONS

F2 EIGENVALUES AND EIGENVECTORS

F3 DETERMINANTS

F4 SIMULTANEOUS LINEAR EQUATIONS

G0 STATISTICAL ANALYSIS AND PROBABILITY

G1 DATA REDUCTION (COMMON STATISTICAL PARAMETERS)

G2 CORRELATION AND REGRESSION ANALYSIS

G3 SEQUENTIAL ANALYSIS

G4 ANALYSIS OF VARIANCE

G5 TIME SERIES

G6 SPECIAL FUNCTIONS (INCLUDES RANDOM NUMBERS AND PDF'S)

\* G7 MULTIVARIATE ANALYSIS AND SCALE STATISTICS

\* G8 NON-PARAMETRIC METHODS AND STATISTICAL TESTS

\* G9 STATISTICAL INFERENCE

H0 OPERATIONS RESEARCH TECHNIQUES, SIMULATION & MANAGEMENT SCIENCE  
H1 LINEAR PROGRAMMING  
H2 NON-LINEAR PROGRAMMING  
H3 TRANSPORTATION AND NETWORK CODES  
H4 SIMULATION MODELING  
H5 SIMULATION MODELS  
H6 CRITICAL PATH PROGRAMS  
H8 AUXILIARY PROGRAMS  
H9 COMBINED

I0 INPUT  
I1 BINARY  
I2 OCTAL  
I3 DECIMAL  
I4 BCD (HOLLERITH)  
I9 COMPOSITE

J0 OUTPUT  
J1 BINARY  
J2 OCTAL  
J3 DECIMAL  
J4 BCD (HOLLERITH)  
J5 PLOTTING  
J7 ANALOG  
J9 COMPOSITE

K0 INTERNAL INFORMATION TRANSFER  
K1 EXTERNAL-TO-EXTERNAL  
K2 INTERNAL-TO-INTERNAL (RELOCATION)  
K3 DISK  
K4 TAPE  
K5 DIRECT DATA DEVICES

L0 EXECUTIVE ROUTINES  
L1 ASSEMBLY  
L2 COMPILING  
L3 MONITORING  
L4 PREPROCESSING  
L5 DISASSEMBLY AND DERELATIVIZING  
L6 RELATIVIZING  
L7 COMPUTER LANGUAGE TRANSLATORS

M0 DATA HANDLING  
M1 SORTING  
M2 CONVERSION AND/OR SCALING  
M3 MERGING  
M4 CHARACTER MANIPULATION  
M5 SEARCHING, SEEKING, LOCATING  
M6 REPORT GENERATORS  
M9 COMPOSITE

N0 DEBUGGING  
N1 TRACING AND TRAPPING  
N2 DUMPING  
N3 MEMORY VERIFICATION AND SEARCHING  
N4 BREAKPOINT PRINTING

00 SIMULATION OF COMPUTERS AND DATA PROCESSORS (INTERPRETERS)  
01 OFF-LINE EQUIPMENT (LISTERS, REPRODUCERS, ETC.)  
03 COMPUTERS  
04 PSEUDO-COMPUTERS  
05 SOFTWARE SIMULATION OF PERIPHERALS  
09 COMPOSITE

P0 DIAGNOSTICS (HARDWARE MALFUNCTION)

Q0 SERVICE OR HOUSEKEEPING, PROGRAMMING AIDS  
Q1 CLEAR/RESET  
Q2 CHECKSUM ACCUMULATION AND CORRECTION  
Q3 REWIND, TAPE MARK, LOAD CARDS, LOAD TAPE PROGRAMS, ETC.  
Q4 INTERNAL HOUSEKEEPING, SAVE, RESTORE, ETC.  
Q5 REPORT GENERATOR SUBROUTINES  
Q6 PROGRAM DOCUMENTATION: FLOW CHARTS, DOCUMENT, STANDARDIZATION  
Q7 PROGRAM LIBRARY UTILITIES

R0 LOGIC AND SYMBOLIC  
R1 FORMAL LOGIC  
R2 SYMBOL MANIPULATION  
R3 LIST AND STRING PROCESSING  
R4 TEXT EDITING

S0 INFORMATION RETRIEVAL

T0 APPLICATIONS AND APPLICATION-ORIENTED PROGRAMS  
T1 PHYSICS (INCLUDING NUCLEAR)  
T2 CHEMISTRY  
T3 OTHER PHYSICAL SCIENCES (GEOLOGY, ASTRONOMY, ETC.)  
T4 ENGINEERING  
T5 BUSINESS DATA PROCESSING  
T6 MANUFACTURING (NON-DATA) PROCESSING AND PROCESS CONTROL  
T7 MATHEMATICS AND APPLIED MATHEMATICS  
T8 SOCIAL AND BEHAVIORAL SCIENCES AND PSYCHOLOGY  
T9 BIOLOGICAL SCIENCES  
T10 REGIONAL SCIENCES (GEOGRAPHY, URBAN PLANNING)  
T11 COMPUTER ASSISTED INSTRUCTION

U0 LINGUISTICS AND LANGUAGES

V0 GENERAL PURPOSE UTILITY SUBROUTINES  
V1 RANDOM NUMBER GENERATORS  
V2 COMBINATORIAL GENERATORS: PERMUTATIONS, COMBINATIONS & SUBSETS  
\* V3 STANDARD AND SPECIAL PROBLEMS

X0 DATA REDUCTION  
X1 RE-FORMATTING, DECOMMUTATION, ERROR DIAGNOSIS  
X2 EDITING  
X3 CALIBRATION  
X4 EVALUATION  
X5 ANALYSIS (TIME-SERIES ANALYSIS)  
X6 SIMULATION (GENERATE TEST DATA FOR DATA REDUCTION SYSTEM)

Y0 INSTALLATION MODIFICATION  
Y1 INSTALLATION MODIFICATION LIBRARY  
Y2 NEWPL TAPE OF INSTALLATION MODIFICATIONS

Z0 ALL OTHERS

## \*\*\* LIST OF PROCEDURES BY CATEGORY \*\*\*

THE PUBLIC-ACCESS PROCEDURES ARE LISTED BELOW UNDER THEIR FUNCTIONAL CATEGORIES. AN ALPHABETICAL LIST, WITH A BRIEF DESCRIPTION OF EACH PROCEDURE BEGINS ON PAGE 1-7.

A4 I/O ROUTINES  
XEROX

J1 BINARY  
CV029

J4 BCD (HOLLERITH)  
BANNERS COMQ LINE6 LINE8 PM

J5 PLOTTING  
CALC3D IDDS

K1 EXTERNAL-TO-EXTERNAL  
C2M FETCHC MSS2PF RECADD1 TAPRD  
C2MALL FETCHM M2C RECDEL1 TAPWR  
D2A GETMS M2CALL RECGET1  
MF2MF PUTMS RECREP1

K3 DISK  
COPYLIB SELDUMP UPDADD UPDGET UPDGETT  
PROS2R TRANPK UPDDELETE UPDGETS UPDREPL

K4 TAPE  
COPYBLK SELLOAD

L0 EXECUTIVE ROUTINES  
ANYLIB DISPOST LIBSET1 MYPROS S2K260  
ANYPRO IDDS LIBSET2 NOGO S2K280  
ANYPROS LIBPRO MNSRDC PROGRAM UTILITY  
BIGLOAD LIBPROA MYPRO SEGLD

L2 COMPILING  
RUNBAS RUNFTN5 RUNPAS RUNTS  
RUNFTN RUNMNF RUNSEQ

L7 COMPUTER LANGUAGE TRANSLATORS  
F45IT

M1 SORTING  
AUDIT MSAUDIT SORT SORTCZ

M2 CONVERSION AND/OR SCALING  
CV029 D2A

01 OFF-LINE EQUIPMENT (LISTERS, REPRODUCERS, ETC.)				
ASCDOC	DOCDOC	PROALL	PURPOSE	UPDDOC
CV029	LIST	PRODOC	RECDOC	UPDLIST
DOCDATE	MANUAL	PROLIST	TIDBITS	
Q0 SERVICE OR HOUSEKEEPING, PROGRAMMING AIDS				
ASCIIO	DSAUDIT	GRYPE	NORERUN	TPGET
AUDIT	DSRLS	MFX	OFLREQ	TPRLS
BANNERS	FETCHC	MSAUDIT	PAKPAS	WHATLIB
BDT	FETCHM	MSSALL	PARMGET	XEROX
COMQ	GETMFNS	MSTABLE	PUTMS	
C2M	GETMS	M2C	SEND	
C2MALL	GETPROD	M2CALL	TPAUDIT	
Q3 FILE MANIPULATION				
ANYLIB	DISPOST	LIBSET2	NOGO	S2K280
ANYPRO	LIBPRO	MNSRDC	PROGRAM	UPDLIST
ANYPROS	LIBPROA	MYPRO	SEGLD	UTILITY
BIGLOAD	LIBSET1	MYPROS	S2K260	
Q4 INTERNAL HOUSEKEEPING, SAVE, RESTORE, ETC.				
ADDEXT	PAHC	PHC	PURGEN	SELDUMP
NEWID	PALC	PLC	RENAMAC	SELLOAD
PAC	PFRSTOR	PURGALL	RENAMID	
Q6 PROGRAM DOCUMENTATION: FLOW CHARTS, DOCUMENT STANDARDIZATION				
DOCADD	DOCFILE	DOCLIST	LGOTREE	
DOCDELETE	DOCGET	DOCREPL	PGMTAPE	
Q7 PROGRAM LIBRARY UTILITIES				
COPYLIB	PROGET	PROREPL	UPDADD	UPDGETS
PROADD	PROHDR	PROS2R	UPDDELETE	UPDGETT
PRODELE	PRONAM	SEGO	UPDGET	UPDREPL
R4 TEXT EDITING				
ASCDOC				
S0 INFORMATION RETRIEVAL				
AUDIT	CCNOTE	MSAUDIT	PURPOSE	VENUS

## \*\*\* DESCRIPTIVE TITLES \*\*\*

THE PUBLIC-ACCESS PROCEDURES ARE LISTED ALPHABETICALLY BELOW. PROCEDURES IN THE MSS PROCEDURE FILE HAVE "<< MSS" AFTER THE DESCRIPTION.

ADDEXT	MODIFY PRIVATE PACK DUM FILE FOR LEVEL 508 DUMPF/LOADPF
ANYLIB	EXECUTE A PROGRAM ON ANY EDITLIB USER LIBRARY
ANYPRO	EXECUTE A PROCEDURE ON ANY CATALOGUED PROCEDURE FILE
ANYPROS	EXECUTE A PROCEDURE ON ANY CATALOGUED SEQUENTIAL PROCEDURE FILE
ASCDOC	PRINT DOCUMENTS FOR ALL ROUTINES IN THE ASCII PACKAGE
ASCIIO	CREATE LABELLED COMMON BLOCKS FOR ASCII PACKAGE
AUDIT	SORTED (FAST) USER AUDIT
BANNERS	PRINT A PAGE WITH 1 TO 8 BANNERS
BDT	PRINT A BANNER PAGE WITH DATE AND TIME
BIGLOAD	CREATE AN ABSOLUTE FILE WHICH WILL ALLOW SOME LARGE PROGRAMS TO LOAD IN LESS CORE THAN NORMALLY NEEDED
CALC3D	THREE-D PROCEDURE FOR CALCOMP PLOTTERS
CCNOTE	PRINT A COMPUTER CENTER NOTE OR THE CCN INDEX
COMQ	PREPARE AND ROUTE A FILE TO THE MICROFICHE QUEUE
COPYBLK	REBLOCK STRANGER TAPES TO SCOPE STANDARD FILES (BOTH UNBLOCKED CARD AND PRINT LINE IMAGE TAPES AND BLOCKED STRANGER TAPES)
COPYLIB	CONDENSE (AND SORT) AN EDITLIB USER LIBRARY PRESERVING AL, FL, FLO VALUES. BINDEX AND LISTBIN LISTS ARE PROVIDED.
CV029	CONVERT TO 029 PUNCH CODE
C2M	TRANSFER ONE CDC PERMANENT FILE (OF EXECUTING USER) TO MASS STORAGE SYSTEM (BASED ON USER'S CDC FILE TABLE/MFNPFN) << MSS
C2MALL	TRANSFER ALL CDC PERMANENT FILES (OF EXECUTING USER) TO MASS STORAGE SYSTEM (BASED ON USER'S CDC FILE TABLE/MFNPFN) << MSS
DISPOST	INVOKE DISSPLA POSTPROCESSORS (TEK300 OR TEK480)

DOCADD ADD ONE DOCUMENT TO A DOCUMENTATION FILE  
DOCDATE LIST DOCUMENT NAMES (ON \*DECK CARDS) TOGETHER WITH THE DOCUMENT DATE AND PAGE NUMBERS (FROM BOTTOM LINE OF EACH PAGE)  
DOCDELETE DELETE ONE DOCUMENT FROM A DOCUMENTATION FILE  
DOCDOC LIST DOCUMENTATION FOR PROCEDURES DOCADD, DOCDATE, DOCDELETE, DOCDOC, DOCFILE, DOCGET, DOCLIST, DOCREPL  
DOCFILE ATTACH A DOCUMENTATION FILE  
DOCGET GET (EXTRACT) DOCUMENT(S) FROM A DOCUMENT FILE  
DOCLIST LIST DOCUMENT NAMES (ON \*DECK CARDS) IN A DOCUMENTATION FILE  
DOCREPL REPLACE ONE DOCUMENT IN A DOCUMENTATION FILE  
DSAUDIT AUDIT DISKS ASSIGNED TO USER INITIALS  
DSRLS RELEASING OF ASSIGNED DISKS  
D2A CONVERT DISPLAY CODE FILE TO ASCII FOR FILE TRANSFER VIA NALCON/ARPANET  
FETCHC GET CSYS OR PUBLIC FILES (FROM MSS, IF NECESSARY) << MSS  
FETCHM GET ANY FILE (FROM MSS, IF NECESSARY) << MSS  
F45IT SIMPLE CONVERSION OF FTN4 SOURCE TO FTN5  
GETMFNS DO MSAUDIT AND EXTRACT FILE NAMES << MSS  
GETMS TRANSFER ONE MSS FILE (OF EXECUTING USER) TO A CDC PERMANENT FILE << MSS  
GETPROD GET PRODUCTS FILE(S) FOR NOS/BE LEVELS 538, 518, 508, 461, 439, 434, 420, 414, 410, 406, 401, 380 FROM THE MASS STORAGE SYSTEM  
GRIPE ALLOW USER TO MAKE GRISES OR SUGGESTIONS DIRECTLY TO THE COMPUTER  
IDDS PREPARE/EXAMINE GRAPHICALLY NUMERICAL DATA INPUT TO OR OUTPUT FROM A FORTRAN PROGRAM  
LGOTREE GENERATE CROSS-REFERENCE LISTS AND TREE STRUCTURE FROM BINARY RELOCATABLE OBJECT PROGRAM

PAC	PURGE ALL CYCLES OF A FILE
PAHC	PURGE ALL HIGH CYCLES WHILE RETAINING LOW CYCLE
PAKPAS	CHANGE PRIVATE PACK PASSWORDS, OPTIONALLY ADD EXTEND PASSWORD TO PRE-LEVEL 508 PACKS
PALC	PURGE ALL LOW CYCLES WHILE RETAINING HIGH CYCLE
PARMGET	GENERATE SUBROUTINE 'PARMGET' TO PROCESS USER EXECUTE PARAMETERS FOR FTN5 PROGRAMS
PFRSTOR	CREATE A FILE OF DIRECTIVES TO RESTORE PERMANENT FILES
PGHTAPE	EXTRACT A SOURCE PROGRAM FROM TAPE
PHC	PURGE HIGH CYCLE WHILE RETAINING LOW CYCLE
PLC	PURGE LOW CYCLE WHILE RETAINING HIGH CYCLE
PM	CREATE CERTAIN PRINT MESSAGE (PM) RECORDS
PROADD	ADD ONE PROCEDURE TO A SEQUENTIAL PROCEDURE FILE
PROALL	LIST PROCEDURE NAMES, PROCEDURE HEADERS AND THE PROCEDURES IN A SEQUENTIAL PROCEDURE FILE (COMBINES PRONAM, PROHDR AND PROLIST)
PRODELE	DELETE ONE PROCEDURE FROM A SEQUENTIAL PROCEDURE FILE
PRODOC	LIST DOCUMENTATION FOR PROCEDURES PROADD, PROALL, PRODELE, PRODOC, PROGET, PROHDR, PROLIST, PRONAM, PROREPL, PROS2R
PROGET	GET (EXTRACT) ONE PROCEDURE FROM A SEQUENTIAL PROCEDURE FILE
PROGRAM	EXECUTE A CATALOGED PROGRAM (NOT IN A LIBRARY)
PROHDR	LIST PROCEDURE HEADERS IN A PROCEDURE FILE
PROLIST	LIST PROCEDURE(S) IN A SEQUENTIAL PROCEDURE FILE
PRONAM	LIST NAMES OF PROCEDURES IN A SEQUENTIAL PROCEDURE FILE
PROREPL	REPLACE ONE PROCEDURE IN A SEQUENTIAL PROCEDURE FILE
PROS2R	CONVERT SEQUENTIAL PROCEDURE FILE TO RANDOM EDITLIB USER LIBRARY
PURGALL	PURGE PERMANENT FILES OF SPECIFIED AC AND ID (PUBLIC FILES OR ON A USER DEVICE SET)
PURGEN	GENERATE PROCEDURE 'PUR' TO PURGE SEVERAL FILES WITH COMMON KERNEL

PURPOSE DRIVER TO EXTRACT PURPOSES FROM A DOCUMENT FILE

PUTMS TRANSFER ONE CDC PERMANENT FILE (OF EXECUTING USER) TO THE MASS STORAGE SYSTEM << MSS

RECADD1 ADD ONE OR MORE LOGICAL RECORDS TO A FILE

RECDEL1 DELETE ONE OR MORE LOGICAL RECORDS FROM A FILE

RECDOC LIST DOCUMENTATION FOR PROCEDURES RECADD1, RECDEL1, RECDOC, RECGET1, RECREP1

RECGET1 EXTRACT ONE OR MORE LOGICAL RECORDS FROM A FILE

RECREP1 REPLACE ONE OR MORE LOGICAL RECORDS IN A FILE

RENAMAC RENAME AC FIELD ON PERMANENT FILES OR MASS STORE FILES

RENAMID RENAME ID ON ALL OF ONE USER'S PERMANENT FILES (BY COPYING THE FILES)

RUNBAS COMPILE AND EXECUTE BASIC PROGRAM (SIMILAR TO EDITOR RUN,BAS FOR USE OUTSIDE OF EDITOR)

RUNFTN COMPILE AND EXECUTE FTN PROGRAM (SIMILAR TO EDITOR RUN,FTN FOR USE OUTSIDE OF EDITOR)

RUNFTNS COMPILE AND EXECUTE FTNS PROGRAM (SIMILAR TO EDITOR RUN,FTNS FOR USE OUTSIDE OF EDITOR)

RUNMNF COMPILE AND EXECUTE MNF PROGRAM UNDER INTERCOM

RUNPAS COMPILE AND EXECUTE PASCAL PROGRAM UNDER INTERCOM

RUNSEQ COMPILE AND EXECUTE FTN,SEQ PROGRAM (USES TS OPTION)

RUNTS COMPILE AND EXECUTE FTN,TS PROGRAM

SEGLD CREATE A SEGLOAD ABSOLUTE FILE

SEGO SEGLOAD AND EXECUTE PROGRAM WITH OPTIONAL LIBRARY

SELDUMP CREATE BACKUP DUMP TAPE OF THE USER PERMANENT FILES OF AN ACCOUNT NUMBER

SELLOAD RESTORE SELECTED ROUTINES FROM A BACKUP DUMPF TAPE

SEND SEND MESSAGES TO AN INTERCOM USER WHO IS NOT LOGGED IN; LIST MESSAGES

SORT SORT (SORTMRG) UP TO 5 'DISPLAY' FIELDS USING 'COBOL6' COLLATING SEQUENCE ('FILE' CARDS REQUIRED)

SORTCZ SORT (SORTMRG) UP TO 5 'DISPLAY' FIELDS USING 'COBOL6' COLLATING SEQUENCE ('FILE' CARDS NOT REQUIRED)

S2K260 ATTACH FILES FOR S2000 (VERSION 2.60) NATURAL LANGUAGE, FORTRAN, OR COBOL PROCEDURAL LANGUAGE INTERFACE.

S2K280 ATTACH FILES FOR S2000 (VERSION 2.80) SELF-CONTAINED LANGUAGES, REPORT PROCESSOR, FORTRAN OR COBOL PROGRAMMING LANGUAGE EXTENSION (PLEX).

TAPRD COPY ONE OR MORE FILES FROM A FIXED LENGTH, BLOCKED STRANGER TAPE TO DISK

TAPWR COPY A SEQUENTIAL FILE OR AN UPDATE PL ONTO A FIXED LENGTH, BLOCKED STRANGER TAPE

TIDBITS LIST FILE OF TIDBITS (HINTS ON IMPROVED COMPUTER USAGE)

TPAUDIT AUDIT TAPES ASSIGNED TO USER INITIALS

TPGET AUTOMATICALLY OBTAIN TAPES FROM THE COMPUTER CENTER'S TAPE LIBRARY

TPRLS RELEASE ASSIGNED TAPES

TRANPK COPY CONTENTS FROM ONE DEVICE SET TO ANOTHER FOR BACKUP

UPDADD ADD ONE DECK TO AN UPDATE LIBRARY

UPDDELE DELETE ONE DECK FROM AN UPDATE LIBRARY

UPDDOC LIST DOCUMENTATION FOR PROCEDURES UPDADD, UPDDELE, UPDDOC, UPDGET, UPDLIST, UPDREPL

UPDGET EXTRACT ONE DECK FROM AN UPDATE LIBRARY (UPDATE,C) AND, OPTIONALLY, ADD EDITOR SEQUENCING

UPDGETS EXTRACT ONE DECK FROM AN UPDATE LIBRARY (UPDATE,S) AND, OPTIONALLY, ADD EDITOR SEQUENCING

UPDGETT EXTRACT ONE DECK FROM AN UPDATE LIBRARY (UPDATE,T) AND, OPTIONALLY, ADD EDITOR SEQUENCING

UPDLIST LIST DECK/COMDECK NAMES IN UPDATE LIBRARY WITH COUNT OF RECORDS IN EACH DECK/COMDECK

UPDREPL REPLACE ONE DECK IN AN UPDATE LIBRARY

UTILITY EXECUTE A PROGRAM ON EDITLIB USER LIBRARY 'UTILITY'

VENUS ATTACH AND EXECUTE ONE OF THE VENUS RETRIEVAL PROGRAMS

WHATLIB LIST LIBRARIES SPECIFIED IN LAST 'LIBRARY' COMMAND

XEROX ROUTE A COPY OF A FILE TO XEROX 8700

## \*\*\*\*\* PROCEDURE DOCUMENTATION \*\*\*\*\*

THIS CHAPTER CONTAINS THE MACHINE-READABLE DOCUMENTATION FOR THE PUBLIC-ACCESS PROCEDURES IN LIBRARIES 'PROCFIL', 'I', AND 'MSS'.

ALL DOCUMENT FILES RESIDE ON THE MASS STORAGE SYSTEM (MSS). YOUR MSACCES PASSWORD MUST BE SUBMITTED TO THE SYSTEM BEFORE DOCUMENTS CAN BE OBTAINED. THIS MAY BE DONE WITH A SEPARATE 'MSACCES' COMMAND OR BY USING THE MSACCES PARAMETER IN THE BEGIN STATEMENT.

## \*\*\* HOW TO PRINT A DOCUMENT \*\*\*

INDIVIDUAL DOCUMENTS MAY BE PRINTED USING:

BEGIN,DOCGET,,PROCFIL,,<PROC>,OUTPUT,MSACCES=<PASSWORD>.

WHERE <PROC> IS THE DESIRED DOCUMENT.

SEVERAL DOCUMENTS MAY BE PRINTED AT ONE TIME USING:

BEGIN,DOCGET,,PROCFIL,,,OUTPUT,,,<DOCS>,MSACCES=<PASSWORD>.

WHERE <DOCS> IS A FILE CONTAINING THE NAMES OF THE DESIRED DOCUMENTS:

<PROC1>,<PROC2>,...,<PROCI>  
<PROCI+1>,...,<PROCN>

ALL DOCUMENTS MAY BE PRINTED USING:

BEGIN,DOCGET,,PROCFIL,,ALL,OUTPUT,MSACCES=<PASSWORD>.

TO PRINT THE DOCUMENT(S) ON THE XEROX 8700, EITHER:

A) ADD 'FID=<fid>' TO THE 'BEGIN,DOCGET,....'  
WHERE <fid> IS THE FILE ID FOR THE BANNER

B) USE

BEGIN,XEROX,,OUTPUT,FID,,DOCPR.

**PROCEDURE 'ADDEXT'**

**PURPOSE**

MODIFY PRIVATE PACK DUM FILE FOR LEVEL 508 DUMPF/LOADPF

**FUNCTIONAL CATEGORIES: Q4**

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,ADDEXT,,VSN,SN,RD,MD,CN,EX,UTK.

**DESCRIPTION OF PARAMETERS**

VSN - PACK VOLUME SERIAL NUMBER

SN - PACK SET NAME

RD,MD,CN - CURRENT PASSWORDS (FROM PACK INITIALIZATION)

EX - PASSWORD FOR LOADPF USE

UTK - USER TURNKEY (IF PASSWORD IS ON PACK)

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT

**MAX FL:**

**REMARKS**

THE SYSTEM TURNKEY PASSWORD IS REMOVED FROM DUM FILE; AN EXTEND PASSWORD IS ADDED TO ALLOW LOADPF AT OR AFTER LEVEL 508 TO RUN ON PACKS INITIALIZED AT LEVEL 461 OR BEFORE.

**ERROR MESSAGES**

ADDEXT MUST BE RUN FROM BATCH

BECAUSE ADDEXT REQUIRES USER DEVICE SETS, IT MUST BE RUN FROM BATCH.

**AUTHOR**

SHARON E GOOD - DTNSRDC CODE 1892.1

**DATE WRITTEN: 09/19/80**

**DATE(S) REVISED**

02/14/84 - ADD TEST TO PROHIBIT EXECUTION FROM INTERCOM

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,ADDEXT,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'ANYLIB'

**PURPOSE**

EXECUTE A PROGRAM ON ANY EDITLIB USER LIBRARY

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,ANYLIB,,LIB, ID, PROG, PARAMS.

DESCRIPTION OF PARAMETERS

LIB - 1-40 CHARACTER LIBRARY PFN

ID - ID IT IS CATALOGED UNDER.

(DEFAULT: SYSTEM PUBLIC-ACCESS ID)

USE 0 (ZERO) IF FILE IS ALREADY ATTACHED  
AND IS TO REMAIN ATTACHED AT THE END OF THE  
PROCEDURE.

PROG - PROGRAM TO BE EXECUTED

PARAMS - UP TO 13 PARAMETERS FOR 'PROG'

(KEYWORD PARAMETERS MUST BE \$-DELIMITED, E.G.,  
\$OPT-L\$.)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS ON PROGRAM BEING EXECUTED

**REMARKS**

SEE ALSO PROCEDURE 'PROGRAM'.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 1975

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,ANYLIB,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'ANYPRO'

**PURPOSE**

EXECUTE A PROCEDURE ON ANY CATALOGUED PROCEDURE FILE

FUNCTIONAL CATEGORIES: L0 Q3

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,ANYPRO,,PFN,ID,PRO,PARAMS.

**DESCRIPTION OF PARAMETERS**

PFN	- PERMANENT FILE NAME OF PROCEDURE FILE
ID	- ID UNDER WHICH PFN IS CATALOGED
PRO	- PROCEDURE NAME
PARAMS	- UP TO 17 PARAMETERS FOR PROCEDURE 'PRO' (KEYWORD PARAMETERS MUST BE \$-DELIMITED, E.G., \$OPT=L\$.)

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS UPON PROCEDURE BEING EXECUTED

**REMARKS**

SEE ALSO PROCEDURES 'ANYPROS', 'LIBPRO', 'LIBPROA', 'MYPRO',  
'MYPROS'.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 07/21/76

DATE(S) REVISED

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,ANYPRO,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'ANYPROS'

**PURPOSE**

EXECUTE A PROCEDURE ON ANY CATALOGUED SEQUENTIAL PROCEDURE FILE

FUNCTIONAL CATEGORIES: L0 Q3

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN, ANYPROS, , PFN, ID, PNAME, PARAMS.

**DESCRIPTION OF PARAMETERS**

PFN - PERMANENT FILE NAME OF PROCEDURE FILE

ID - ID UNDER WHICH IT IS CATALOGED

PNAME - PROCEDURE NAME

PARAMS - UP TO 17 PARAMETERS FOR PROCEDURE 'PRO'  
(KEYWORD PARAMETERS MUST BE \$-DELIMITED, E.G.,  
\$OPT=L\$.)

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS UPON PROCEDURE BEING EXECUTED

**REMARKS**

SEE ALSO PROCEDURES 'ANYPRO', 'LIBPRO', 'LIBPROA', 'MYPRO',  
'MYPROS'.

**AUTHOR**

DAVID V.SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 10/29/79

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFILE,,ANYPROS,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'ASCDOC'

**PURPOSE**

PRINT DOCUMENTS FOR ALL ROUTINES IN THE ASCII PACKAGE

FUNCTIONAL CATEGORIES: 01 SO

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE  
SYSTEM PUBLIC-ACCESS INTERACTIVE PROCEDURE FILE

**USAGE**

BEGIN,ASCDOC,,L,FID,LEFT,MSACCES.  
BEGIN,ASCDOC,I,<PARAMS>            <-- FOR INTERACTIVE VERSION  
BEGIN,ASCDOC,I,?                    <-- FOR INTERACTIVE PROCESSING

**DESCRIPTION OF PARAMETERS**

L        - LISTABLE OUTPUT  
FID      - FILE ID FOR BANNER FOR XEROX  
          (IF OMITTED, THE DOCUMENTS WILL BE IN LOCAL FILE  
          <L>)  
LEFT     - CENTERING  
          OMITTED OR LEFT - LEFT-JUSTIFIED  
          OTHER            - CENTERED ON WIDE PAPER  
MSACCES - MSACCES PASSWORD  
          (REQUIRED ONLY IF NOT ALREADY SUBMITTED IN THIS  
          BATCH JOB OR INTERACTIVE SESSION)

**DEFAULT EXECUTE STATEMENT**

BEGIN,ASCDOC,,OUTPUT,,LEFT.

**MAX FL:**

**REMARKS**

THE PROCEDURE DOES A BEGIN,DOCGET ON LIBRARIES OTHER,  
PROCFIL AND NSRDC. IF FID IS SPECIFIED, IT DOES A  
BEGIN,XEROX TO ROUTE THE DOCUMENTS.

**AUTHOR**

DAVID V. SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 04/24/84

**DATE(S) REVISED**

04/25/84 - MAKE INTERACTIVE  
08/30/84 - PUT INTERACTIVE VERSION INTO INTEACTIVE FILE  
          - PUT NON-INTERACTIVE VERSION INTO REGULAR FILE

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,ASCDOC,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'ASCIIO'

**PURPOSE**

CREATE LABELLED COMMON BLOCKS FOR ASCII PACKAGE

FUNCTIONAL CATEGORIES: Q0

COMPUTERS (OPERATING SYSTEMS)

CDC 6000/CYBER 170 (NOS/BE)

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

SYSTEM PUBLIC-ACCESS INTERACTIVE PROCEDURE FILE

**EXECUTE STATEMENT**

BEGIN,ASCIIO,,ASC,D63,OMR,TEK,VT1.

BEGIN,ASCIIO,I,<PARAMS>            <-- FOR INTERACTIVE VERSION

BEGIN,ASCIIO,I,?                    <-- FOR INTERACTIVE PROCESSING

**DESCRIPTION OF PARAMETERS**

ASC - Y FOR /ASCII/  
      C FOR /ASCII/ WITH \*COMDECK /ASCII

D63 - Y FOR /D630/  
      C FOR /D630/ WITH \*COMDECK /D630

N TO OMIT THIS COMMON BLOCK

OMR - Y FOR /OMRON/  
      C FOR /OMRON/ WITH \*COMDECK /OMRON

N TO OMIT THIS COMMON BLOCK

TEK - Y FOR /TEKTRN/  
      C FOR /TEKTRN/ WITH \*COMDECK /TEKTRN

N TO OMIT THIS COMMON BLOCK

VT1 - Y FOR /VT100/  
      C FOR /VT100/ WITH \*COMDECK /VT100

N TO OMIT THIS COMMON BLOCK

**DEFAULT EXECUTE STATEMENT**

BEGIN,ASCIIO,,Y,N,N,N,N.

MAX FL: 10000B

**REMARKS**

SEE ALSO SUBPROGRAMS ASCADD, ASCADM, ASCBSX, D630I, ASCGET,  
ASCII, ASCIII, ASCLEN, ASCPUT, OMRONI, TEKTRI, VT100I.

**OUTPUT DESCRIPTION**

AT THE PRESENT, FIVE LABELLED COMMON BLOCKS MAY BE CREATED:

ASCII - NAMES FOR ASCII CHARACTERS

D630 - NAMES FOR D630 CONTROL CODES

OMRON - NAMES FOR OMRON CONTROL CODES

TEKTRN - NAMES FOR TEKTRONIX CONTROL CODES

VT100 - NAMES FOR DEC VT100 CONTROL CODES

AUTHOR

DAVID V. SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/14/84

DATE(S) REVISED

04/26/84 - MAKE INTERACTIVE  
- CHANGE ALL PARAMETERS  
05/21/84 - CHANGE /VT100/ FOR NEW DEFINITIONS OF  
CUU, CUD, CUF, CUB  
08/30/84 - PUT INTERACTIVE VERSION INTO INTEACTIVE FILE  
- PUT NON-INTERACTIVE VERSION INTO REGULAR FILE

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,ASCIIIO,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'AUDIT'**

**PURPOSE**

SORTED (FAST) USER AUDIT

FUNCTIONAL CATEGORIES: Q0 S0 M1

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,AUDIT,,<KEYWORD-PARAMETERS>.

**DESCRIPTION OF PARAMETERS**

ALL 'AUDIT' PARAMETERS ARE SUPPORTED WITH ONLY THREE

**RESTRICTIONS:**

- 1) MULTIPLE ID'S MUST BE \$-DELIMITED AND LIMITED TO 40 CHARACTERS (UP TO 7 ID'S). WHEN MULTIPLE ID'S ARE GIVEN, A SEPARATE PARAMETER 'IDM=YES' MUST BE SPECIFIED. FOR EXAMPLE,  
BEGIN,AUDIT,,ID=\$ID1/ID2/ID3\$,<OTHER-PARAMS>, IDM=YES.
- 2) FOR 'AC', USE AC=AC.
- 3) IF PF IS SPECIFIED, IT MUST NOT EXCEED 10 CHARACTERS. SORTING IS NOT REALLY NECESSARY FOR PF. INSTEAD, USE AUDIT,PF=<PFN>,....

IN ADDITION, UP TO 8 FIELDS MAY BE SORTED (KEYWORDS ARE S1= THRU S8=):

(A=ASCENDING, D=DESCENDING)  
1A/1D - PF NAME - ALL SORTS  
2A/2D - CYCLE - ALL SORTS  
3A/3D - ID - AC SORT ONLY  
4A/4D - ACCOUNT - ID (AI=I) OR  
SEG - AC=JJJJJJJ00  
5A/5D - CREATED - AC OR ID (AI=I)  
6A/6D - USED-ON - AC OR ID (AI=I)  
7A/7D - # USES - AC OR ID (AI=I)  
8A/8D - # PRUS - AC OR ID (AI=I)

PL= MAY BE USED TO CHANGE THE 'OUTPUT' LINE LIMIT.

**DEFAULT BEGIN STATEMENT**

BEGIN,AUDIT,,ID=<CHG-CRD/LOGIN ID>,LF=OUTPUT,S1=1A,S2=2D.

WHEN AC=JJJJJJJ00 IS SPECIFIED:

BEGIN,AUDIT,,ID=<CHG-CRD/LOGIN ID>,LF=OUTPUT,S1=4A,S2=3A, S3=1A,S4=2D.

MAX FL: 52000B

**REMARKS**

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/22/78

DATE(S) REVISED

03/01/78 - CONVERT TO CCL  
05/10/78 - ADD IDM PARAMETER FOR MULTIPLE ID'S  
05/26/78 - REWRITE VALIDATION ROUTINE  
10/01/78 - OLD PROCEDURE 'AUDIT' REMOVED.  
- THIS PROCEDURE 'FASTAUD' RENAMED 'AUDIT'.  
12/18/78 - ADD SUPPORT FOR SN PARAMETER

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,AUDIT,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'BANNERS'

PURPOSE

PRINT A PAGE WITH 1 TO 8 BANNERS

FUNCTIONAL CATEGORIES: J4 Q0

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,BANNERS,,OUTPUT,NBANR,B1,B2,B3,B4,B5,B6,B7,B8.

DESCRIPTION OF PARAMETERS

OUTPUT - LISTABLE OUTPUT

NBANR - NUMBER OF BANNERS TO PRINT (0-8)

(0 - PROGRAM WILL DETERMINE NUMBER OF BANNERS AND  
ADD DATE AND TIME BANNERS, IF THERE IS ROOM)

B1-B8 - UP TO 8 BANNERS (1-10 CHARACTERS EACH)

THE FOLLOWING ARE RECOGNIZED FOR ANY BI:

CPU - MACHINE JOB IS RUNNING ON

DATE - CURRENT DATE

TIME - CURRENT TIME

DEFAULT BEGIN STATEMENT

BEGIN,BANNERS,,OUTPUT,0,CPU,DATE,TIME.

MAX FL: 34000B

REMARKS

1, 2, 3, 5, AND 6 BANNERS ARE PRINTED AT 6 LINES/INCH.

4, 7 AND 8 BANNERS ARE PRINTED AT 8 LINES/INCH WITH THE  
PRINTER RESTORED TO 6 LINES/INCH AT END-OF-PROCEDURE.

AUTHORS

GARY L STUMP - DTNSRDC CODE 2731

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/22/78 - GLS

DATE(S) REVISED

06/23/78 - DVS

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,BANNERS,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'BDT'

**PURPOSE**

PRINT A BANNER PAGE WITH DATE AND TIME

FUNCTIONAL CATEGORIES: Q0

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,BDT,,OUTPUT.

DESCRIPTION OF PARAMETER

OUTPUT - LISTABLE OUTPUT

DEFAULT BEGIN STATEMENT

BEGIN,BDT,,OUTPUT.

MAX FL: 23000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: EARLY 1975

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,BDT,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'BIGLOAD'

PURPOSE

CREATE AN ABSOLUTE FILE WHICH WILL ALLOW SOME LARGE  
PROGRAMS TO LOAD IN LESS CORE THAN NORMALLY NEEDED

FUNCTIONAL CATEGORIES: LO Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN, BIGLOAD,,PROGRAM,FL,LFN, ID,PW1,PW2.

DESCRIPTION OF PARAMETERS

PROGRAM - NAME OF USER'S PROGRAM

(THIS WILL ALSO BE THE LFN OF THE GENERATED FILE)

FL - AT LEAST EXACT OCTAL FIELD LENGTH REQUIRED TO  
EXECUTE THE USER'S PROGRAM  
(E.G., 60000 (THE B AT THE END IS NOT SPECIFIED))

LFN - LFN OF USER'S ABSOLUTE PROGRAM  
(CANNOT BE THE SAME AS <PROGRAM>)  
(IF SPECIFIED, THE USER'S PROGRAM ON <LFN> IS  
COPIED ONTO NEW FILE <PROGRAM> AFTER THE COMPASS  
PROGRAM)

ID - IF SPECIFIED, FILE <PROGRAM> WILL BE CATALOGED  
WITH PFN OF <PROGRAM> UNDER THIS ID

PW1, PW2 - IF ID SPECIFIED, THESE ARE PASSWORDS FOR THE  
CATALOG (PW=)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 47000B

REMARKS

BEFORE EXECUTING THIS PROCEDURE, THE ABSOLUTE USER'S PROGRAM  
SHOULD BE ATTACHED OR CREATED (WITH AN LFN OTHER THAN THE  
PROGRAM NAME). THIS PROCEDURE WILL THEN CREATE A NEW FILE  
WITH LFN OF <PROGRAM> WHICH CONTAINS A SHORT COMPASS PROGRAM  
FOLLOWED BY THE USER'S ABSOLUTE PROGRAM.

THE LOADER LOADS THE COMPASS PROGRAM WHICH IN TURN LOADS THE  
USER'S PROGRAM.

ERROR MESSAGES

FL NOT SPECIFIED

FL PARAMETER MUST BE SPECIFIED

PROGRAM CANNOT BE SAME AS LFN

PARAMETERS 1 AND 3 MUST BE DIFFERENT

PROGRAM NOT SPECIFIED

PROGRAM PARAMETER MUST BE SPECIFIED

EXAMPLE

COMPILE PROGRAM, CREATE AND CATALOG NEW LOAD FILE, EXECUTE:

```
ATTACH,IN,SOURCEPROGRAM, ID=XXXX. SOURCE FOR <MYPROG>
FTN,I=IN,OPT=1,L=0.
* LOAD,LGO.          OR XEQ,LOAD=LGO,NOGO=ABS (INTERCOM)
* NOGO,ABS.
BEGIN,BIGLOAD,,MYPROG,57000,ABS,XXXX.
MYPROG.

* NOTE: IF <MYPROG> IS AN OVERLAY, THE ABSOLUTE WILL BE
GENERATED ON THE FILE SPECIFIED IN THE OVERLAY
CARD. THIS LFN MUST BE CHANGED (USE
BATCH,LFN1,RENAME,LFN2 IN INTERCOM OR COPY TO
ANOTHER FILE) BEFORE USING BIGLOAD.
```

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 11/09/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,BIGLOAD,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'CALC3D'

PURPOSE

THREE-D PROCEDURE FOR CALCOMP PLOTTERS

FUNCTIONAL CATEGORIES: J5

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,CALC3D,,MAC,VSN1,VSN2,TID,INPUT,RERUN.

DESCRIPTION OF PARAMETERS

MAC - ONE OF --

763 - CALCOMP 763 PLOTTER

936 - CALCOMP 936 PLOTTER (DEFAULT)

170 - CALCOMP PLOTTER ON HIGH SPEED REMOTE  
TERMINAL

VSN1 - TAPE DIEBOLD OR SLOT NUMBER  
(6 CHARACTERS OR LESS)

(UNLABELLED TAPE FOR MAC=763;  
LABELLED TAPE FOR MAC=936)

VSN2 - EXTERNAL STICKER LABEL  
(SLOT TAPES ONLY)

TID - TERMINAL ID FOR ROUTING PLOTTER OUTPUT  
(USED ONLY WHEN MAC=170)  
(DEFAULT: 012)

INPUT - FILE CONTAINING CONTROL CARDS

RERUN - THIS PARAMETER FACILITATES SAME DAY RERUN USING  
THE SAME TAPE.  
OMITTED OR 'W' - FIRST/ONLY TIME THIS TAPE IS USED  
TODAY

'R' - RERUN ON SAME DAY

THIS PARAMETER HAS MEANING ONLY FOR MAC=936.  
HOWEVER, IF SPECIFIED, IT MUST BE A VALID ENTRY.

DEFAULT BEGIN STATEMENT

BEGIN,CALC3D,,936,\*,\*,012,INPUT,W.

\* - NO DEFAULTS FOR THESE PARAMETERS

MAX FL:

REMARKS

A 936 JOB WILL CREATE A LABELLED TAPE WITH A RETENTION  
PERIOD OF ONE DAY. SUBSEQUENT RERUN(S) ON THE SAME DAY  
WILL CAUSE THE JOB TO TERMINATE BECAUSE OF UNEXPIRED LABEL.  
SPECIFYING RERUN=R WILL CAUSE THE CURRENT LABEL TO BE  
CHECKED RATHER THAN BE RE-WRITTEN. THE FIRST OR ONLY  
RUN SHOULD OMIT THE RERUN PARAMETER SO THAT THE CURRENT DATE  
WILL BE WRITTEN ON THE LABEL.

EXAMPLES

BEGIN,CALC3D,,936,CA9999.  
(USE LABELLED TAPE CA9999 FOR CALCOMP 936 PLOTTER)

BEGIN,CALC3D,,763,SLOT01,MYTAPE.  
(USE UNLABELLED TAPE IN SLOT 01 HAVING EXTERNAL  
LABEL 'MYTAPE' FOR CALCOMP 763 PLOTTER)

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: EARLY 1975

DATE(S) REVISED

07/23/76  
10/07/76 - MAKE TRANSPARENT TO USER  
03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,CALC3D,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'CCNOTE'

PURPOSE

PRINT A COMPUTER CENTER NOTE OR THE CCN INDEX

FUNCTIONAL CATEGORIES: SO

COMPUTERS (OPERATING SYSTEMS)

CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,CCNOTE,,OPT,OUTPUT,LEFT,PD,MSACCES.

DESCRIPTION OF PARAMETERS

OPT - OPTION. ONE OF:

INDEX - BOTH TOPIC AND NUMBER INDICES

NUMBER - INDEX ORDERED BY CCN NUMBER

TOPIC - INDEX ORDERED BY TOPIC

VVNN - A SPECIFIC CCN, WHERE

    VV IS THE VOLUME (2 DIGITS)

    NN IS THE NUMBER (2 DIGITS)

OUTPUT - LISTABLE OUTPUT

LEFT - CENTERING

    LEFT OR OMITTED - LEFT-JUSTIFIED ON PAGE  
    (WILL FIT ON NARROW PAPER)

    ANYTHING ELSE - CENTERED ON WIDE PAPER

PD - PRINT DENSITY (FOR OPT=INDEX/NUMBER/TOPIC ONLY)

    8 - 8 LINES PER INCH

    6 - 6 LINES PER INCH (REQUIRED FOR FICHE OR XEROX)

MSACCES - YOUR MSACCES PASSWORD (OPT=S/R/PM)  
    (REQUIRED ONLY IF IT HAS NOT ALREADY BEEN  
    SUBMITTED IN THIS BATCH JOB OR INTERACTIVE  
    SESSION)

DEFAULT BEGIN STATEMENT

BEGIN,CCNOTE,,INDEX,OUTPUT,L,8.

MAX FL: 33000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 07/10/80

DATE(S) REVISED

03/15/83 - CHANGE FROM USING PROGDOC TO GETDOC

09/23/83 - CHANGE FROM PERMANENT FILE TO MSS FILE

    - ADD MSACCES PARAMETER

    - VALIDATE OPT PARAMETER

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,CCNOTE,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'COMQ'

PURPOSE

PREPARE AND ROUTE A FILE TO THE MICROFICHE QUEUE

FUNCTIONAL CATEGORIES: Q0 J4

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE  
SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,COMQ,,LFNPFN, ID, HEADER, FID, PROG, SHIFT.

DESCRIPTION OF PARAMETERS

LFNPFN - LFN OR PFN OF FILE TO BE LISTED  
(DEPENDS ON PARAMETER ID)  
ID - IF OMITTED, LFNPFN IS AN LFN  
IF SPECIFIED, LFNPFN IS A PFN CATALOGED  
UNDER THIS ID  
HEADER - 0- TO 32-CHARACTER EYE-READABLE HEADING FOR  
THE FICHE (IF ANY NON-ALPHAMERIC CHARACTERS,  
HEADER MUST BE DOLLAR-DELIMITED:  
\$THIS HEADER IS DOLLAR-DELIMITED\$)  
FID - FID FOR ROUTING THE FILE  
PROG - COM PROGRAM TO USE. MUST BE ONE WHICH SUPPORTS  
A 32-CHARACTER EYE-READABLE TITLE IN THE SECOND  
LINE OF THE FILE, SUCH AS:  
COMP - FOR COMPIRATION AND LOAD MAP LISTINGS  
(WILL CREATE AN INDEX)  
(132 CHARACTERS PER LINE,  
268 PAGES PER FICHE,  
PLUS 2 INDEX FRAMES)  
COMPF - SAME AS COMP, WITH A BOX AROUND EACH  
FRAME  
COMQ - FOR REGULAR OUTPUT  
(132 CHARACTERS PER LINE,  
270 PAGES PER FICHE)  
COMQF - SAME AS COMQ, WITH A BOX AROUND EACH  
FRAME  
(DEFAULT: COMQ)  
SHIFT - NUMBER OF COLUMNS TO SHIFT THE OUTPUT  
0 - NO SHIFT  
(FILE HAS CARRIAGE CONTROL IN COLUMN 1 OF  
EACH RECORD, SUCH AS A COMPIRATION LISTING OR  
PROGRAM OUTPUT)  
1 - SHIFT 1 POSITION TO THE RIGHT  
(STANDARD COPYSF; USE FOR SOURCE OR DATA  
FILES)  
>1 - SHIFT SPECIFIED NUMBER OF COLUMNS  
(DEFAULT: 0)

DEFAULT BEGIN STATEMENT

BEGIN,COMQ,,,,,COMQ,0.

MAX FL: 15000B

## REMARKS

THIS PROCEDURE CREATES A FILE WHICH CONTAINS:

- A CARD-IMAGE WITH <PROG> IN COLUMNS 2-6
- A CARD-IMAGE WITH <HEADER> IN COLUMNS 2-33
- THE ENTIRE FILE IN <LFNPFN>, SHIFTED, IF SO REQUESTED.

<LFNPFN> IS REWOUND BEFORE AND AFTER IT IS COPIED.

THIS FILE IS ROUTED TO THE MICROFICHE QUEUE USING:

- ROUTE,<FILE>,DC=PR,TID=C,FID=<FID>,FC=WW.

## EXAMPLES

- 1) FILE ABCD, ID=ZYXW IS A SOURCE FILE TO BE PUT ONTO FICHE WITH AN EYE-READABLE TITLE OF  
'PROGRAM ABCD, ID=ZYXW 05/07/80'  
OUTPUT, WHICH IS TO BE CENTERED, IS TO GO TO ZYXW:  
  
BEGIN,COMQ,,ABCD,ZYXW,  
\$PROGRAM ABCD, ID=ZYXW 05/07/80\$,ZYXW,,26.
- 2) THE DATA IN LOCAL FILE 'INDATA' IS TO BE PUT ONTO FICHE WITH AN EYE-READABLE TITLE 'DATA A/001 05/07/80'  
OUTPUT IS TO GO TO XXXX:  
  
BEGIN,COMQ,,INDATA,,\$DATA A/001 05/07/80\$,XXXX,,1.
- 3) FILE EFGH, ID=ZYXW IS A LISTABLE FILE TO BE PUT ONTO FICHE WITH AN EYE-READABLE TITLE OF  
'FILE EFGH, ID=ZYXW 05/07/80'  
OUTPUT IS TO GO TO ZYXW:  
  
BEGIN,COMQ,,EFGH,ZYXW,  
\$FILE EFGH, ID=ZYXW 05/07/80\$,ZYXW.
- 4) THE COMPIRATION IN LOCAL FILE 'OUT' IS TO BE PUT ONTO FICHE WITH THE EYE-READABLE TITLE  
'PROGRAM QRST -- 05/07/80'  
OUTPUT IS TO GO TO XXXX, FRAMES ARE TO BE OUTLINED AND AN INDEX CREATED:  
  
BEGIN,COMQ,,OUT,,\$PROGRAM QRST -- 05/07/80\$,XXXX,  
COMPF.

## AUTHORS

DAVID V SOMMER - DTNSRDC CODE 1892.2 (CDC PROCEDURE COMQ)  
BARBARA DAVIS - DTNSRDC CODE 1892.1 (COM PROCEDURES)

DATE WRITTEN: 05/07/80

## DATE(S) REVISED

02/14/84 - REWIND <LFNPFN> AFTER COPYING

## ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,COMQ,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'COPYBLK'

PURPOSE

REBLOCK STRANGER TAPES TO SCOPE STANDARD FILES (BOTH  
UNBLOCKED CARD AND PRINT LINE IMAGE TAPES AND BLOCKED  
STRANGER TAPES)

FUNCTIONAL CATEGORIES: K4

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,COPYBLK,,RB,MRL,MBL,TAPE1,TAPE2.

DESCRIPTION OF PARAMETERS

RB - NUMBER OF RECORDS PER BLOCK  
IF OMITTED OR 1 - COPY UNBLOCKED STRANGER  
TAPES (CARD AND PRINT LINE IMAGES)  
OTHER - COPY BLOCKED STRANGER TAPES  
MRL - MAXIMUM RECORD LENGTH (RB NOT EQ 1)  
(NUMBER OF 6-BIT CHARACTERS)  
MBL - MAXIMUM BLOCK LENGTH (RB NOT EQ 1)  
(TOTAL NUMBER OF CHARACTERS PER BLOCK (MUST  
BE AT LEAST RB TIMES MRL))  
TAPE1 - INPUT STRANGER TAPE  
TAPE2 - OUTPUT SCOPE STANDARD FILE

DEFAULT BEGIN STATEMENT

IF RB OMITTED OR 1:  
BEGIN,COPYBLK,,1,150,150,TAPE1,TAPE2.  
IF RB NOT EQ 1:  
BEGIN,COPYBLK,,RB,80,\*,TAPE1,TAPE2.  
(\* - USER MUST SUPPLY)

MAX FL: 20000B

REMARKS

NONE

EXAMPLES

BEGIN,COPYBLK.  
(COPY UNBLOCKED TAPES)  
BEGIN,COPYBLK,,10,MBL=800.  
(COPY BLOCKED CARD-IMAGE TAPES, 10 RECORDS PER  
BLOCK. NOTE THAT USER MUST SUPPLY MBL.)

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: EARLY 1975

DATE(S) REVISED

10/07/76 - REVERT(ABORT) ADDED  
11/22/76 - REW1,REW2 ADDED  
03/01/78 - CONVERT TO CCL  
09/25/80 - USE COPYRM INSTEAD OF FORM  
(THIS VERSION ADDED TO SYSTEM ON 10/04/82)  
10/04/82 - REMOVE REW1,REW2 PARAMETERS

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,COPYBLK,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'COPYLIB'

PURPOSE

CONDENSE (AND SORT) AN EDITLIB USER LIBRARY PRESERVING AL,  
FL, FLO VALUES. BINDEX AND LISTBIN LISTS ARE PROVIDED.

FUNCTIONAL CATEGORIES: K3 Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,COPYLIB,,LIB, ID,OUTPUT,SORT,NOEDLST,AC,PW1,PW2.

DESCRIPTION OF PARAMETERS

LIB	- PFN OF LIBRARY (1-7 CHARACTERS)
ID	- ID UNDER WHICH LIBRARY IS CATALOGED (DEFAULT: SYSTEM PUBLIC-ACCESS ID)
OUTPUT	- LISTABLE OUTPUT
SORT	- OMITTED OR 'SORT' - SORT ROUTINE NAMES (NEW LIBRARY MAY BE REORDERED)
	ANYTHING ELSE - DO NOT SORT
NOEDLST	- OMITTED - DO NOT PRINT A COPY OF EDITLIB OUTPUT
	ANYTHING ELSE - PRINT EDITLIB OUTPUT
AC	- JOB ORDER NUMBER FOR CATALOG OF NEW LIBRARY (MAY BE OMITTED)
PW1,PW2	- PASSWORDS FOR CATALOG OF NEW LIBRARY

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 46000B+

REMARKS

THE LOWEST CYCLE OF LIB IS PURGED, IF POSSIBLE. AT LEAST 2 CYCLES ARE ALWAYS RETAINED.

OCCASIONALLY, EDITLIB WILL LOSE A PORTION OF A DECK DURING THE COPY PROCESS. THE DIRECTORY WILL SHOW THAT THE DECK IS THERE, BUT EXECUTING IT WILL CAUSE A LOADER ERROR. FOR THIS REASON, THE 'LISTBIN' LIST IS PROVIDED. A QUICK EXAMINATION OF THIS LIST WILL SHOW ANY TROUBLE SPOTS. IN ADDITION TO THE LINES FOR EACH DECK IN THE LIBRARY, THERE SHOULD BE SIX (6) OTHER LINES (PRECEDED BY RIGHT BRACKET ()). NORMALLY, THEY ARE AT THE END OF THE LIBRARY, BUT MAY BE SPLIT FOUR (4) AT THE START AND TWO (2) AT THE END OF THE LIBRARY. ONE OR MORE ']' LINES ANYWHERE ELSE IN THE LISTBIN LISTING INDICATES WHERE THE BAD DECK IS. THE QUICKEST WAY TO

RESTORE THE 'MISSING' DECK IS AS FOLLOWS:

ATTACH,MYLIB, ID=XXXX, PW=.... (GET CURRENT CYCLE  
WITH EXTEND PERMISSION)  
ATTACH,LC,MYLIB, ID=XXXX,LC=1. (GET LOWEST CYCLE)  
BEGIN,UTILITY,,GETOBJ,LC,ROUTINE,FILE,LIB. (EXTRACT  
ROUTINE)

EDITLIB.

EXTEND,MYLIB.

<EOR>

LIBRARY(MYLIB,OLD)

REPLACE(\*,FILE)

FINISH.

ENDRUN.

" 6/7/89 EOF

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 11/18/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,COPYLIB,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'COPYS'

PURPOSE

ATTACH, EXECUTE AND RETURN THE RIQSCOPYS PROGRAM

FUNCTIONAL CATEGORIES: K1

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,COPYS,,COPY,INPUT,OUTPUT,N.

DESCRIPTION OF PARAMETERS

COPY - ONE OF THE 'COPYS(COPY' OPTIONS  
(SEE REMARKS)

INPUT - INPUT FILE

OUTPUT - OUTPUT FILE

N - NUMBER OF TIMES OR FILES

DEFAULT BEGIN STATEMENT

BEGIN,COPYS,,COPY,INPUT,OUTPUT,1.

MAX FL: 15000B

REMARKS

IF RIQSCOPYS IS ALREADY ATTACHED (WITH LFN 'COPYS'), IT WILL  
STILL BE ATTACHED AFTER THIS PROCEDURE.

A DOCUMENT DESCRIBING COPYS MAY BE PRINTED BY:

BEGIN,DOCGET,,OTHER,,COPYS,OUTPUT,MSACCES=<PW>.

EXAMPLE

REWIND AND COPY A RANDOM FILE:

ATTACH,RANIN,.... INPUT RANDOM FILE  
REQUEST,RANOUT,\*PF. OUTPUT RANDOM FILE  
BEGIN,COPYS,,COPYIX,RANIN,RANOUT.  
CATALOG,RANOUT,....

AUTHOR

NORTHWESTERN UNIVERSITY

DATE WRITTEN:

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,COPYS,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'CV029'

**PURPOSE**

CONVERT TO 029 PUNCH CODE

FUNCTIONAL CATEGORIES: J1 M2 01

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN, CV029, , LFN, TID, FID.

DESCRIPTION OF PARAMETERS

LFN - FILE TO BE CONVERTED  
TID - ID OF TERMINAL AT WHICH THE 029 DECK IS TO BE  
PUNCHED. USE 'C' FOR CENTRAL SITE OR USE THE  
3-CHARACTER 1700 TERMINAL ID. IF OMITTED, FILE  
'ZZZ029' WILL CONTAIN THE CONVERTED DECK. TO  
PUNCH, USE  
ROUTE, ZZZ029, DC=PU, EC=80COL, TID=<TID>, FID=\*<FID>.  
FID - IF TID IS SUPPLIED, FID IS THE 1- TO 5-CHARACTER  
FILE-ID TO BE USED. IF OMITTED, THE JOB/INTERCOM  
SESSION NAME IS USED.

DEFAULT BEGIN STATEMENT

BEGIN, CV029, , INPUT.

**REMARKS**

NONE

**AUTHOR**

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DATE WRITTEN: 10/17/78

DATE(S) REVISED

07/25/79 - ADD FID PARAMETER

ANOTHER COPY OF THIS DOCUMENT

BEGIN, DOCGET, , PROCFIL, , CV029, OUTPUT, MSACCES=<PASSWORD>.

PROCEDURE 'C2M'

PURPOSE

TRANSFER ONE CDC PERMANENT FILE (OF EXECUTING USER) TO MASS  
STORAGE SYSTEM (BASED ON USER'S CDC FILE TABLE/MFNPFN)

FUNCTIONAL CATEGORIES: K1 Q0

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE FOR MSS

COMPUTERS (OPERATING SYSTEMS)

CDC 6000/CYBER 170 (NOS/BE)

USAGE

BEGIN,C2M,MSS,TBLTK,PFN,NA,CT,M,PW,XR,TK,RD.

DESCRIPTION OF PARAMETERS

TBLTK	- TK PASSWORD FOR TABLE/MFNPFN	
PFN	- CDC PERMANENT FILE TO BE TRANSFERRED	
NA	- OVERWRITE FOR MSS	*
CT	- CATEGORY TYPE FOR MSS	*
M	- PERMISSION MODE FOR MSS	*
PW	- PASSWORD FOR MSS	*
XR	- XR PASSWORD FOR CDC PERMANENT FILE	**
TK	- TK PASSWORD FOR CDC PERMANENT FILE	**
RD	- RD PASSWORD FOR CDC PERMANENT FILE	**

(\* - IF OMITTED, TAKEN FROM TABLE/MFNPFN. IF INVALID IN  
TABLE/MFNPFN, NA=0, CT=P, M=R, PW=0.

\*\* - IF OMITTED, TAKEN FROM TABLE/MFNPFN.)

DEFAULT BEGIN STATEMENT

BEGIN,C2M,MSS,,\*.

(\* - USER MUST SUPPLY)

MAX FL: 26000B

REMARKS

A FILE RELATING MFN TO PFN MUST BE CREATED BY THE USER AND  
CATALOGED WITH CDC PERMANENT FILE NAME 'TABLE/MFNPFN' UNDER  
THE EXECUTING USER'S ID. IT SHOULD HAVE A TK PASSWORD. THE  
FILE FORMAT IS DESCRIBED BELOW.

THIS PROCEDURE EXECUTES UTILITY PROGRAM 'XFRC2M'.

THE CDC PERMANENT FILE IS NOT PURGED.

SEE ALSO PROCEDURES 'PUTMS', 'C2MALL'; 'GETMS', 'M2C',  
'M2CALL'.

PROCEDURE 'MSTABLE' MAY BE USED TO CREATE/EXPAND A TABLE.

DATA CARDS IN FILE TABLE/MFNPFN, ID=<USER ID>

COL CONTENTS

COL	CONTENTS
1	FLAG BLANK - DATA CARD NON-BLANK - COMMENT CARD
3-9	MFN
11-12	DEFAULT CT
14	DEFAULT M
16-22	DEFAULT PW
24	DEFAULT NA
26-65	PFN (THE PROGRAM WILL PUT \$...\$ AROUND EACH PFN)
67-75	DEFAULT XR PASSWORD
77-85	DEFAULT TK PASSWORD
87-95	DEFAULT RD PASSWORD
97-106	DEFAULT AC (JOB ORDER NUMBER)

ERROR MESSAGES (PROCEDURE C2M)

C2M REQUIRES PFN PARAMETER  
SELF-EXPLANATORY

ERROR MESSAGES (PROGRAM XFRC2M)

CT INVALID - MUST BE P, PU, S OR OMITTED  
SELF-EXPLANATORY

M INVALID - MUWT BE R, S OR OMITTED  
SELF-EXPLANATORY

NA INVALID - MU1T BE 0, S OR OMITTED  
SELF-EXPLANATORY

PFN MUST BE SPECIFIED  
SELF-EXPLANATORY

PW TOO LONG - 7 CHAR MAX  
SELF-EXPLANATORY

RD TOO LONG - 9 CHAR MAX  
SELF-EXPLANATORY

TBLTK TOO LONG - 9 CHAR MAX  
SELF-EXPLANATORY

TK TOO LONG - 9 CHAR MAX  
SELF-EXPLANATORY

UNABLE TO ATTACH TABLE/MFNPFN  
<REASON>  
SHOULD BE SELF-EXPLANATORY

UNRECOGNIZED PARAMETER # <N> (<PARAMETER>) IGNORED  
UNRECOGNIZED EXECUTE PARAMETER. IGNORED.

ERROR MESSAGES (GENERATED PROCEDURE XC2M)

CDC PERM FILE

<PFN>

ID=<YOUR ID>

STORED ON MSS AS <MFN>

TRANSFER WAS SUCCESSFUL

ATTACH OF

<PFN>

ID=<YOUR ID>

OR MSSTORE AS <MFN> .

FAILED.-----

PREVIOUS SYSTEM MESSAGES SHOULD IDENTIFY THE PROBLEM

EXAMPLES

- 1) TRANSFER YOUR CDC PERMANENT FILE 'ABCDE' TO MSS USING THE VALUES FOR CT, M, PW, NA SPECIFIED/IMPLIED IN THE FILE TABLE/MFNPFN, ID=<YOUR ID>:

BEGIN,C2M,MSS,MYTBLTK,ABCDE.

- 2) TRANSFER YOUR CDC PERMANENT FILE 'A/B/C' HAVING TURNKEY PASSWORD 'MYTK' TO MSS MAKING IT A PUBLIC, READ/WRITE FILE WITH PASSWORD 'DEF', OVERWRITING ANY PREVIOUS MSS COPY OF THE FILE:

BEGIN,C2M,MSS,MYTBLTK,\$A/B/C\$,1,PU,W,DEF,MYTK.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 01/13/82

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,C2M,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'C2MALL'

PURPOSE

TRANSFER ALL CDC PERMANENT FILES (OF EXECUTING USER) TO MASS STORAGE SYSTEM (BASED ON USER'S CDC FILE TABLE/MFNPFN)

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE FOR MSS

COMPUTERS (OPERATING SYSTEMS)

CDC 6000/CYBER 170 (NOS/BE)

FUNCTIONAL CATEGORIES: K1 Q0

USAGE

BEGIN,C2MALL,MSS,TBLTK,PW1,PW2,PW3,NA,CT,M,PW.

DESCRIPTION OF PARAMETERS

TBLTK	- TK PASSWORD FOR TABLE/MFNPFN	*
PW1-PW3	- PASSWORDS ON CDC PERMANENT FILES	**
NA	- OVERWRITE FOR MSS	**
CT	- CATEGORY TYPE FOR MSS	**
M	- PERMISSION MODE FOR MSS	**
PW	- PASSWORD FOR MSS	**

(\* - IF PW1 IS OMITTED, PW2-PW3 ARE IGNORED AND THE XR, TK AND RD PASSWORDS ARE TAKEN FROM TABLE/MFNPFN.

\*\* - IF OMITTED, TAKEN FROM TABLE/MFNPFN.)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULTS

MAX FL: 26000B

REMARKS

A FILE RELATING MFN TO PFN MUST BE CREATED BY THE USER AND CATALOGED WITH CDC PERMANENT FILE NAME 'TABLE/MFNPFN' UNDER THE EXECUTING USER'S ID. IT SHOULD HAVE A TK PASSWORD. THE FILE FORMAT IS DESCRIBED BELOW.

THIS PROCEDURE EXECUTES UTILITY PROGRAM 'XFRC2MA'.

THE CDC PERMANENT FILES ARE NOT PURGED. PROCEDURE 'PURGALL' MAY BE USED FOR THIS PURPOSE.

SEE ALSO PROCEDURES 'PUTMS', 'C2M'; 'GETMS', 'M2C', 'M2CALL'.

PROCEDURE 'MSTABLE' MAY BE USED TO CREATE/EXPAND A TABLE.

DATA CARDS IN FILE TABLE/MFNPFN, ID=<USER ID>

COL	CONTENTS
1	FLAG BLANK - DATA CARD NON-BLANK - COMMENT CARD
3-9	MFN
11-12	DEFAULT CT
14	DEFAULT M
16-21	DEFAULT PW
24	DEFAULT NA
26-65	PFN (THE PROGRAM WILL PUT \$...\$ AROUND EACH PFN)
67-75	DEFAULT XR PASSWORD
77-85	DEFAULT TK PASSWORD
87-95	DEFAULT RD PASSWORD
97-106	DEFAULT AC (JOB ORDER NUMBER)

ERROR MESSAGES (PROGRAM XFRC2MA)

CT INVALID - MUST BE P, PU, S OR OMITTED  
SELF-EXPLANATORY

M INVALID - MUST BE R, W OR OMITTED  
SELF-EXPLANATORY

NA INVALID - MUST BE 0, 1 OR OMITTED  
SELF-EXPLANATORY

PW TOO LONG - 7 CHAR MAX  
SELF-EXPLANATORY

PW1 TOO LONG - 9 CHAR MAX  
SELF-EXPLANATORY

PW2 TOO LONG - 9 CHAR MAX  
SELF-EXPLANATORY

PW3 TOO LONG - 9 CHAR MAX  
SELF-EXPLANATORY

UNABLE TO ATTACH TABLE/MFNPFN

<REASON>  
SHOULD BE SELF-EXPLANATORY

UNRECOGNIZED PARAMETER # <N> (<PARAMETER>) IGNORED  
UNRECOGNIZED EXECUTE PARAMETER. IGNORED.

**EXAMPLES**

- 1) TRANSFER YOUR CDC PERMANENT FILES TO MSS USING VALUES FOR CT, M, PW, NA, TK, RD SPECIFIED/IMPLIED IN THE FILE TABLE/MFNPFN, ID=<YOUR ID>:

BEGIN,C2MALL.

- 2) TRANSFER YOUR CDC PERMANENT FILES (HAVING SOME PASSWORDS) TO MSS, OVERWRITING ANY EXISTING MSS COPIES OF THE FILES.

BEGIN,C2MALL,MSS,1,PW1=TK1,PW2=RD1,PW3=TK2,PW4=TK3.

-OR-

BEGIN,C2MALL,MSS,1,,,TK1,RD1,TK2,TK3.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 01/13/82

DATE(S) REVISED

02/25/82 - ADD TBLTK PARAMETER  
- REMOVE PW4, PW5 PARAMETERS BECAUSE THE EXECUTE  
STATEMENT FOR XFR2MA IS MONGER THAN 80 COLUMNS  
WITH THEM

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,C2MALL,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'DISPOST'

**PURPOSE**

INVOKE DISSPLA POSTPROCESSORS (TEK300 OR TEK480)

FUNCTIONAL CATEGORIES: LO Q3

COMPUTERS (OPERATING SYSTEMS)

CDC 6000/CYBER 170 (NOS/BE)

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,DISPOST,,WHICH,PFN, ID, PW1, PW2.

**DESCRIPTION OF PARAMETERS**

WHICH - DESIRED POSTPROCESSOR: ONE OF:

TEK300

TEK480

PFN - NAME OF THE COMPRESSED PLFILE

(THE PROCEDURE FIRST TRIES TO ATTACH A FILE HAVING  
'COMPRESSED' SUFFIXED TO <PFN>, I.E.,  
<PFN>\_COMPRESSED. IF THIS FILE DOES NOT EXIST,  
THEN THE PFN IS ASSUMED TO BE JUST <PFN>.)

ID - ID UNDER WHICH <PFN> IS CATALOGED (REQUIRED)

PW1, PW2 - RD AND TK PASSWORDS (IF ANY) FOR <PFN>

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

**MAX FL:**

**REMARKS**

WHEN TEK480 IS USED, THE SCREEN(80,66) IS SET AUTOMATICALLY.

**ERROR MESSAGES**

ID MUST BE SPECIFIED

SELF-EXPLANATORY

INVALID POSTPROCESSOR (<WHICH>)

<WHICH> IS THE INVALID USER ENTRY. ONLY TEK300 AND  
TEK480 ARE SUPPORTED.

PLFILE IS <PFN>COMPRESSED, ID=<ID> -OR-

PLFILE IS <PFN>, ID=<ID>

NAME OF PLFILE BEING USED

SCREEN(80,66) DEFINED

A REMINDER OF THE SCREEN CHANGE WHEN TEK480 IS USED.

AUTHOR

ED ZIVI - DTNSRDC CODE 2731  
DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: LATE 1979 (EZ)

DATE(S) REVISED

01/29/80 - DVS - CHANGE TO A PUBLIC-ACCESS PROCEDURE

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,DISPOST,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'DOCADD'

**PURPOSE**

ADD ONE DOCUMENT TO A DOCUMENTATION FILE

FUNCTIONAL CATEGORIES: Q6

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,DOCADD,,LIB, ID, PROG, AFTER, LFN, AC, PW1, PW2, PW3, PW4, PW5.

DESCRIPTION OF PARAMETERS

LIB	- FIRST PART OF DOCUMENTATION FILE PFN (FULL PFN IS LIB_DOCUMENTATION)
ID	- ID UNDER WHICH IT IS CATALOGED (DEFAULT: SYSTEM PUBLIC-ACCESS ID)
PROG	- NAME OF DOCUMENT TO BE ADDED
AFTER	- NAME OF DOCUMENT AFTER WHICH THIS DOCUMENT IS TO BE PLACED (IF BLANK, WILL GO IN ALPHABETICAL ORDER. IF '0', WILL GO AT START OF FILE. IF 'END', WILL GO AT END OF FILE.)
LFN	- LFN OF FILE CONTAINING NEW DOCUMENT. IT IS REWOUND BEFORE BEING READ. IT MUST NOT CONTAIN A *DECK CARD.
AC	- JOB ORDER NUMBER FOR CATALOG (MAY BE OMITTED)
PW1-PW5	- PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 31000B

REMARKS

THE LOWEST CYCLE OF LIB\_DOCUMENTATION IS PURGED, IF  
POSSIBLE. AT LEAST 2 CYCLES ARE ALWAYS RETAINED.

EXAMPLES

ASSUME THE OLD DOCUMENT FILE WAS CATALOGED WITH:  
CATALOG,FILE,MYDOCUMENTATION, ID=XXXX, XR=RONLY.  
AND HAS DOCUMENTS: A, B, D, F, G, H.

TO ADD DOCUMENT C (ON LFN CC) IN ALPHABETICAL ORDER:  
BEGIN,DOCADD,,MY,XXXX,C,,CC,,RONLY.

THE NEW DOCUMENT FILE WILL HAVE: A, B, C, D, F, G, H.

TO ADD DOCUMENT C (ON LFN CC) AT START OF THE FILE:  
BEGIN,DOCADD,,MY,XXXX,C,0,CC,,RONLY.

THE NEW DOCUMENT FILE WILL HAVE: C, A, B, D, F, G, H.

TO ADD THE DOCUMENT C (ON LFN CC) AT THE END OF THE FILE:  
BEGIN,DOCADD,,MY,XXXX,C,END,CC,RONLY.

THE NEW DOCUMENT WILL HAVE: A, B, D, F, G, H, C.

TO ADD THE DOCUMENT C (ON LFN CC) AFTER DOCUMENT F:  
BEGIN,DOCADD,,MY,XXXX,C,F,CC,,RONLY.  
THE NEW DOCUMENT FILE WILL HAVE: A, B, D, F, C, G, H.

SUGGESTED COMPLETE SEQUENCE OF OPERATIONS FOR CREATING A DOCUMENT (USING DOC AND EDITOR) AND ADDING IT TO AN EXISTING DOCUMENT FILE:

CONNECT,OUTPUT  
ATTACH,UTILITY.  
LIBRARY,UTILITY.  
DOC. (OR MTDOC. OR PFDOC.)  
(CREATE DOCUMENT IN FILE 'DOCMDT')  
EDITOR  
EDIT,DOCMDT,SEQ  
(MODIFY, IF NECESSARY. INDICATE START OF EACH PAGE BY PUTTING A '1' IN COLUMN 1 OF EACH LINE WHICH IS TO BE THE FIRST LINE OF A PAGE.)  
SAVE,NEWDOC,NOSEQ  
LINER,NEWDOC.  
(WILL COUNT PAGES AND LINES PER PAGE. IF ANY PAGE HAS MORE THAN 59 LINES, GO BACK AND RESTRUCTURE THE DOCUMENT.)  
BYE  
DOCIT,NEWDOC,FILE.  
(WILL LENGTHEN EACH PAGE TO 60 LINES ADDING THE DATE, DOCUMENT NAME AND PAGE COUNTS.)  
BEGIN,DOCADD,,MYLIB,XXXX,DOCNAME,,FILE,,RONLY.  
(WILL ADD THE DOCUMENT JUST CREATED (ON LFN 'FILE') TO THE DOCUMENT FILE WITH PFN=MYLIBDOCUMENTATION, ID=XXXX, IN ALPHABETICAL ORDER ACCORDING TO THE SPECIFIED DOCUMENT NAME 'DOCNAME'. ALPHABETICAL ORDER IS RECOMMENDED SO THAT LISTS OF THE CONTENTS WILL BE MORE READABLE.)  
BEGIN,DOCLIST,,MYLIB,XXXX,OUT.  
(GET A LIST OF DOCUMENT NAMES WITH NUMBER OF CARDS, LINES AND PAGES FOR EACH.)  
PROGDOC,MYLIB,XXXX,DOCNAME,OUT.  
(LIST THE DOCUMENT FROM THE DOCUMENT FILE TO VERIFY IT WAS ADDED PROPERLY.)  
BANNER,END,OUT.  
(TO KEEP THE SYSTEM FROM PRINTING "END OF LIST" MESSAGES ON LAST PAGE OF DOCUMENT.)  
ROUTE,OUT,DC=PR,....  
(PRINT THE LISTS ON ANY AVAILABLE PRINTER.)

AUTHOR  
DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/01/76

DATE(S) REVISED  
03/01/78 - CONVERT TO CCL; INCREASE TO 5 PASSWORDS

ANOTHER COPY OF THIS DOCUMENT  
BEGIN,DOCGET,,PROCFIL,,DOCADD,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'DOCDATE'

**PURPOSE**

LIST DOCUMENT NAMES (ON \*DECK CARDS) TOGETHER WITH THE DOCUMENT DATE AND PAGE NUMBERS (FROM BOTTOM LINE OF EACH PAGE)

FUNCTIONAL CATEGORIES: 01

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,DOCDATE,,LIB, ID,OUTPUT,PW1,PW2,PW3,PW4,PW5..

**DESCRIPTION OF PARAMETERS**

LIB - FIRST PART OF PFN  
(FULL PFN IS PFN\_DOCUMENTATION)

ID - ID UNDER WHICH IT IS CATALOGED  
(DEFAULT: SYSTEM PUBLIC-ACCESS ID)

OUTPUT - LISTABLE OUTPUT

PW1-PW5 - PASSWORDS FOR ATTACHING THE DOCUMENTATION FILE

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: 32000B

**REMARKS**

NONE

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/05/80

DATE(S) REVISED

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,DOCDATE,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'DOCDELE'

PURPOSE

DELETE ONE DOCUMENT FROM A DOCUMENTATION FILE

FUNCTIONAL CATEGORIES: Q6

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,DOCDELE,,LIB, ID, PROG, AC, PW1, PW2, PW3, PW4, PW5.

DESCRIPTION OF PARAMETERS

LIB - FIRST PART OF DOCUMENTATION FILE PFN  
(FULL PFN IS LIB\_DOCUMENTATION)  
ID - ID UNDER WHICH IT IS CATALOGED  
(DEFAULT: SYSTEM PUBLIC-ACCESS ID)  
PROG - NAME OF DOCUMENT TO BE DELETED  
AC - JOB ORDER NUMBER FOR CATALOG  
(MAY BE OMITTED)  
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 31000B

REMARKS

THE LOWEST CYCLE OF LIB\_DOCUMENTATION IS PURGED, IF  
POSSIBLE. AT LEAST 2 CYCLES ARE ALWAYS RETAINED.

EXAMPLES

ASSUME THE OLD DOCUMENT FILE WAS CATALOGED WITH:  
CATALOG,FILE,MYDOCUMENTATION, ID=XXXX, XR=RONLY.  
AND HAS DOCUMENTS: A, B, D, F, G, H.

TO DELETE DOCUMENT G:

BEGIN,DOCDELE,,MY,XXXX,G,,RONLY.

THE NEW DOCUMENT FILE WILL HAVE: A, B, D, F, H.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/01/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL; INCREASE TO 5 PASSWORDS

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,DOCDELE,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'DOCDOC'

**PURPOSE**

LIST DOCUMENTATION FOR PROCEDURES DOCADD, DOCDATE, DOCDELETE,  
DOCDOC, DOCFILE, DOCGET, DOCLIST, DOCREPL

FUNCTIONAL CATEGORIES: 01

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,DOCDOC,,OUTPUT,LEFT.

**DESCRIPTION OF PARAMETERS**

OUTPUT - LISTABLE OUTPUT

LEFT - OMITTED - PRINT LEFT-JUSTIFIED ON PAGE  
NON-BLANK - PRINT CENTERED ON WIDE PAGE

**DEFAULT BEGIN STATEMENT**

BEGIN,DOCDOC,,OUTPUT.

MAX FL: 25000B

**REMARKS**

A BANNER PAGE PRECEDES THE LIST AND CONTAINS THE WORD  
'DOCDOC'. A BANNER PAGE WITH THE WORD 'END' FOLLOWS THE  
LIST.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/10/77

**DATE(S) REVISED**

03/01/78 - CONVERT TO CCL

02/05/80 - ADD PROCEDURE DOCDATE TO LIST

05/17/83 - USE PROGRAM GETDOC INSTEAD OF MANYDOC

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,DOCDOC,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'DOCFILE'

**PURPOSE**

ATTACH A DOCUMENTATION FILE

FUNCTIONAL CATEGORIES: Q6

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,DOCFILE,,LFN,PFN, ID,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

LFN - LOCAL FILE NAME TO BE USED

PFN - FIRST PART OF PFN.

FULL PFN IS PFN DOCUMENTATION.

ID - ID UNDER WHICH IT IS CATALOGED  
(DEFAULT: SYSTEM PUBLIC-ACCESS ID)

PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 4500B

REMARKS

SAME AS: ATTACH,LFN,PFN\_DOCUMENTATION, ID=\*---\*, PW=PW1,PW2,  
PW3,PW4,PW5.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892

DATE WRITTEN: 02/01/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL; INCREASE TO 5 PASSWORDS

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,DOCFILE,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'DOCGET'

**PURPOSE**

GET (EXTRACT) DOCUMENT(S) FROM A DOCUMENT FILE

FUNCTIONAL CATEGORIES: Q6

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

SYSTEM PUBLIC-ACCESS INTERACTIVE PROCEDURE FILE

**USAGE**

```
BEGIN,DOCGET,,LIB, ID,DOC,L,LO,COPIES,I,FID,MSACCES,UN.  
BEGIN,DOCGET,I,<PARAMS>           <-- FOR INTERACTIVE VERSION  
BEGIN,DOCGET,I,?                  <-- FOR INTERACTIVE PROCESSING
```

**DESCRIPTION OF PARAMETERS**

LIB	- DOCUMENT FILE (FIRST PART OF PFN: LIB_DOCUMENTATION; OR MFN)
ID	- ID UNDER WHICH PERMANENT FILE IS CATALOGED (DEFAULT: SYSTEM PUBLIC-ACCESS ID)
DOC	- NAME OF SINGLE DOCUMENT TO BE EXTRACTED (USE 'ALL' FOR ALL DOCUMENTS) ('DOC' AND 'I' ARE MUTUALLY EXCLUSIVE)
L	- LISTABLE OUTPUT (DEFAULT: L=OUTPUT)
LO	- PRINT CENTERING OMITTED, 'L' OR 'LEFT' - LEFT-JUSTIFIED ON PAGE OTHER - CENTERED ON WIDE PAGE (DEFAULT: LO=L)
COPIES	- NUMBER OF COPIES (1-99) (DEFAULT: COPIES=1)
I	- INPUT FILE FOR MORE THAN ONE DOCUMENT (SEE 'DATA CARDS' BELOW) ('DOC' AND 'I' ARE MUTUALLY EXCLUSIVE) (DEFAULT: DOCUMENT IS REQUESTED USING THE 'DOC' PARAMETER)
FID	- OPTIONAL FILE ID FOR ROUTING TO XEROX 8700 (IF OMITTED, THE EXTRACTED DOCUMENTS WILL BE IN THE FILE SPECIFIED BY 'L=')
MSACCES	- YOUR MSS ACCESS PASSWORD (NEEDED ONLY IF DOCUMENT FILE MAY BE ON MSS AND YOU HAVE NOT ALREADY SPECIFIED YOUR PASSWORD IN THE JOB OR SESSION)
UN	- UN UNDER WHICH THE DOCUMENT FILE IS STORED ON MSS (DEFAULT: UN FOR PUBLIC DOCUMENTS)

**DEFAULT BEGIN STATEMENT**

THE ONLY MEANINGFUL DEFAULT VALUES ARE LISTED ABOVE.

MAX FL: 30000B

**DATA CARDS (I=<LFN>)**

DATA CARDS ARE FREE-FORMAT, UP TO 80-COLUMNS PER CARD, THROUGH END-OF-FILE. ENTRIES, WHICH ARE COMMA-SEPARATED, HAVE ONE OF THE FOLLOWING FORMS:

DOCNAME - SINGLE COPY

DOCNAME\*N - MULTIPLE COPIES

E.G., 'DOC1, DOC2\*2, DOC3,DOC4 \* 2'.

BLANKS BETWEEN FIELDS ARE IGNORED.

**A WORD ABOUT MULTIPLE COPIES AND LINE PRINTERS**

SINCE CENTRAL SITE AND MOST RJE TERMINALS MAKE USE OF THE 'REP' PARAMETER OF THE ROUTE CARD, THIS IS THE BEST WAY TO MAKE MULTIPLE COPIES. IT IS CHEAPER AND CONSERVES QUEUE SPACE WHILE IT WAITS TO PRINT.

FOR RJE TERMINALS WHICH CANNOT USE THIS METHOD (1700'S), TWO MEANS OF SPECIFYING MULTIPLE COPIES ARE PROVIDED: IN THE EXECUTE STATEMENT (COPIES=) AND IN THE DATA CARD (SEE ABOVE). THE PROGRAM WILL PREPARE A TEMPORARY FILE WITH THE REQUESTED NUMBER OF COPIES OF EACH DOCUMENT: THIS FILE IS THEN COPIED TO THE 'L=' FILE THE NUMBER OF TIMES SPECIFIED BY THE EXECUTE STATEMENT. THUS, IF YOU WANT, FOR EXAMPLE, 5 COPIES OF ALL SPECIFIED DOCUMENTS, USE 'COPIES=5' IN THE EXECUTE STATEMENT; FOR 5 COPIES OF EACH DOCUMENT, USE '\*5' FOR EACH DOCUMENT. DON'T USE BOTH OR YOU WILL GET 5 COPIES OF EACH DOCUMENT 5 TIMES (25 COPIES ALTOGETHER!) UNLESS THAT IS WHAT YOU REALLY WANT.

**REMARKS**

DOCUMENTS ARE EXTRACTED USING UTILITY PROGRAM 'GETDOC'.

**ERROR MESSAGES**

BOTH DOC AND I MAY NOT BE SPECIFIED

THE PARAMETERS 'DOC' AND 'I' ARE MUTUALLY EXCLUSIVE.

USE 'DOC' FOR A ONE(ALL) DOCUMENT(S). USE 'I' FOR MULTIPLE DOCUMENTS.

DOCUMENT FILE FOR <LIB>

NOT ON PF OR MSS

OR

YOU MUST SUPPLY YOUR MSACCES PASSWORD

IF <LIB> WAS MISSPELLED, TRY AGAIN. OTHERWISE, SUPPLY YOUR MSACCES PASSWORD EITHER AS A SEPARATE COMMAND OR AS A PARAMETER OF BEGIN,DOCGET (MSACCES=<PW>) AND TRY AGAIN.

LIB IS REQUIRED

THE PARAMETER 'LIB' MUST BE SPECIFIED.

NO DOCUMENT REQUESTED

EITHER PARAMETER 'DOC' OR 'I' IS REQUIRED.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/01/76

DATE(S) REVISED

12/01/77 - ADD 'LEFT' PARAMETER  
03/01/78 - CONVERT TO CCL; ADD 5 PASSWORDS  
80 OR 81 - REMOVE PASSWORDS  
08/23/82 - RE-WRITE TO SUPPORT PF AND MSS FILES  
- ADD SUPPORT FOR MULTIPLE COPIES  
- ADD SUPPORT FOR MULTIPLE DOCUMENTS  
- CHANGE TO USE NEW UTILITY PROGRAM GETDOC  
03/11/83 - EXPAND AND HIGHLIGHT MESSAGE IF DOCUMENT FILE  
NOT FOUND ON PF OR MSS  
04/16/84 - ADD FID PARAMETER FOR ROUTING TO XEROX 8700  
05/03/84 - MAKE INTERACTIVE  
- IMPROVE DAYFILE MESSAGE ABOUT MISSING MSACCES  
08/30/84 - PUT INTERACTIVE VERSION INTO INTEACTIVE FILE  
- PUT NON-INTERACTIVE VERSION INTO REGULAR FILE

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,DOCGET,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'DOCLIST'**

**PURPOSE**

LIST DOCUMENT NAMES (ON \*DECK CARDS) IN A DOCUMENTATION FILE

FUNCTIONAL CATEGORIES: Q6

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,DOCLIST,,LIB, ID,OUTPUT,PW1,PW2,PW3,PW4,PW5,MSACCES,UN.

**DESCRIPTION OF PARAMETERS**

LIB	- FIRST PART OF PFN (FULL PFN IS LIB_DOCUMENTATION)
ID	- ID UNDER WHICH IT IS CATALOGED (DEFAULT: SYSTEM PUBLIC-ACCESS ID)
OUTPUT	- LISTABLE OUTPUT
PW1-PW5	- PASSWORDS
MSACCES	- MSACCES PASSWORD (REQUIRED IF DOCUMENT FILE IS ON MSS AND YOU HAVE NOT SUBMITTED IT ALREADY)
UN	- UN FOR MSS (DEFAULT: DOCU)

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: 27000B

**REMARKS**

IN ADDITION TO THE DOCUMENT NAMES, THE NUMBER OF CARDS,  
LINES AND PAGES IS GIVEN FOR EACH DOCUMENT.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/01/76

**DATE(S) REVISED**

04/23/76  
03/01/78 - CONVERT TO CCL; ADD 5 PASSWORDS  
08/17/83 - ADD SUPPORT FOR MSS FILES

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,DOCLIST,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'DOCREPL'

PURPOSE

REPLACE ONE DOCUMENT IN A DOCUMENTATION FILE

FUNCTIONAL CATEGORIES: Q6

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,DOCREPL,,LIB, ID, PROG, AFTER, LFN, AC, PW1, PW2, PW3, PW4, PW5.

DESCRIPTION OF PARAMETERS

LIB - FIRST PART OF DOCUMENTATION FILE PFN  
(FULL PFN IS LIB\_DOCUMENTATION)  
ID - ID UNDER WHICH IT IS CATALOGED  
(DEFAULT: SYSTEM PUBLIC-ACCESS ID)  
PROG - NAME OF DOCUMENT TO BE REPLACED  
AFTER - NAME OF DOCUMENT AFTER WHICH THIS DOCUMENT IS TO  
BE PLACED  
(IF BLANK, WILL GO IN ALPHABETICAL ORDER.  
IF '0', WILL GO AT START OF FILE.  
IF 'END', WILL GO AT END OF FILE.)  
(USED ONLY IF PROG DOES NOT ALREADY EXIST IN THE  
DOCUMENT FILE.)  
LFN - LFN OF FILE CONTAINING NEW DOCUMENT.  
IT IS REWOUND BEFORE BEING READ. IT MUST NOT  
CONTAIN A \*DECK CARD.  
AC - JOB ORDER NUMBER FOR CATALOG  
(MAY BE OMITTED)  
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT  
NO MEANINGFUL DEFAULT VALUES

MAX FL: 31000B

REMARKS

THE LOWEST CYCLE OF LIB\_DOCUMENTATION IS PURGED, IF  
POSSIBLE. AT LEAST 2 CYCLES ARE ALWAYS RETAINED.

EXAMPLES

ASSUME THE OLD DOCUMENT FILE WAS CATALOGED WITH:  
CATALOG,FILE,MYDOCUMENTATION, ID=XXXX, XR=RONLY.  
AND HAS DOCUMENTS: A, B, D, F, G, H.

TO REPLACE DOCUMENT F (NEW DOCUMENT ON LFN FF):

BEGIN,DOCREPL,,MY,XXXX,F,,FF,,RONLY.  
THE NEW DOCUMENT FILE WILL HAVE: A, B, D, F, G, H.

TO REPLACE DOCUMENT E (NEW DOCUMENT ON LFN EE):

BEGIN,DOCREPL,,MY,XXXX,E,,EE,,RONLY.  
THE NEW DOCUMENT FILE WILL HAVE: A, B, D, E, F, G, H.

NOTE THAT SINCE E DID NOT EXIST, REPLACE WAS CHANGED TO ADD.  
BECAUSE THE AFTER PARAMETER WAS OMITTED, E WAS ADDED  
ALPHABETICALLY.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/01/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL; INCREASE TO 5 PASSWORDS

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,DOCREPL,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'DSAUDIT'

PURPOSE

AUDIT DISKS ASSIGNED TO USER INITIALS

FUNCTIONAL CATEGORIES: Q0

COMPUTERS (OPERATING SYSTEMS)

CDC 6600

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN, DSAUDIT.

DEFAULT BEGIN STATEMENT

BEGIN, DSAUDIT.

MAX FL: 12500B

REMARKS

USER INITIALS TO BE AUDITED WILL BE THE LOGGED-IN USER INITIALS.

OUTPUT DESCRIPTION

A LIST OF DISKS ASSIGNED TO THE LOGGED-IN USER INITIALS.

AUTHOR

JANET MOXLEY - DTNSRDC CODE 189.3

DATE WRITTEN: FEBRUARY 1982

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN, DOCGET,, PROCFIL,, DSAUDIT, OUTPUT, MSACCES=<PASSWORD>.

PROCEDURE 'DSRLS'

**PURPOSE**

RELEASING OF ASSIGNED DISKS

FUNCTIONAL CATEGORIES: Q0

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,DSRLS.

**DEFAULT BEGIN STATEMENT**

BEGIN,DSRLS.

MAX FL: 12500B

**REMARKS**

USER WILL BE PROMPTED TO ENTER DISK VSN'S TO BE RELEASED.  
DISKS MUST BE ASSIGNED TO THE USER'S LOGGED-IN USER  
INITIALS.

**OUTPUT DESCRIPTION**

VERIFICATION OF THE RELEASED DISK(S).

**AUTHOR**

JANET MOXLEY - DTNSRDC CODE 189.3

DATE WRITTEN: FEBRUARY 1982

**DATE(S) REVISED**

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,DSRLS,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'D2A'

**PURPOSE**

CONVERT DISPLAY CODE FILE TO ASCII FOR FILE TRANSFER VIA  
NALCON/ARPANET

FUNCTIONAL CATEGORIES: M2 K1

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE  
SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,D2A,,DCFILE,DCID,ASCFILE,ASCID,DCSN.

**DESCRIPTION OF PARAMETERS**

DCFILE - DISPLAY CODE FILE TO BE CONVERTED  
DCID - ID UNDER WHICH DCFILE IS CATALOGED  
ASCFILE - OUTPUT ASCII FILE  
ASCID - ID UNDER WHICH ASCFILE WILL BE CATALOGED  
(IF OMITTED, DCID WILL BE USED)  
DCSN - SETNAME OF USER DEVICE SET FOR DCFILE  
(ASCFILE IS ALWAYS CATALOGED ON SYSSET)  
(DEFAULT: SYSSET)

DEFAULT BEGIN STATEMENT  
NO MEANINGFUL DEFAULTS

MAX FL: 20000B

**REMARKS**

THE INPUT DISPLAY CODE FILE IS A FILE OF PRINT LINE OR CARD  
IMAGES.

**AUTHORS**

DAVID V SOMMER - DTNSRDC CODE 1892.2 (PROCEDURE D2A)  
ROBERT TIMKER - DTNSRDC CODE 1892.3 (CONVERSION PROGRAM)

DATE WRITTEN: 03/18/81 (PROCEDURE)

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT  
BEGIN,DOCGET,,PROCFIL,,D2A,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'FETCHC'

**PURPOSE**

GET CSYS OR PUBLIC FILES (FROM MSS, IF NECESSARY)

FUNCTIONAL CATEGORIES: K1 Q0

COMPUTERS (OPERATING SYSTEMS)

CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE FOR MSS

**USAGE**

BEGIN, FETCHC, MSS, PFN, ID.

**DESCRIPTION OF PARAMETERS**

PFN - PERMANENT FILE NAME  
(1-7 CHARACTERS)

ID - ID UNDER WHICH PFN IS CATALOGED.  
MUST BE ONE OF:  
OMITTED - PUBLIC FILE  
CSYS - CSYS FILE

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: 20000B

**REMARKS**

THE PROCEDURE TESTS TO SEE IF PFN IS A LOCAL FILE.  
IF NOT, IT TRIES TO ATTACH IT USING THE SPECIFIED ID.  
IF NOT SUCCESSFUL, IT WILL TRY TO FETCH IT FROM THE MASS  
STORAGE SYSTEM.

**ERROR MESSAGE**

ID=<ID> NOT SUPPORTED

THE PROCEDURE SUPPORTS ONLY THE PUBLIC-ACCESS ID  
(ID OMITTED) AND ID=CSYS.

**EXAMPLES**

1) GET THE ECAP PROGRAM (PUBLIC-ACCESS FILE):

BEGIN, FETCHC, MSS, ECAMP.

2) GET NOS/BE LEVEL 461 PRODUCTS FILE (ID=CSYS):

BEGIN, FETCHC, MSS, PROD461, CSYS.

**AUTHOR**

SHARON GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: 01/05/82

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN, DOCGET,, PROCFIL,, FETCHC, OUTPUT, MSACCES=<PASSWORD>.

PROCEDURE 'FETCHM'

PURPOSE

GET ANY FILE (FROM MSS, IF NECESSARY)

FUNCTIONAL CATEGORIES: K1 Q0

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE FOR MSS

USAGE

BEGIN, FETCHM, MSS, LFN, PFN, ID, UN, PW.

DESCRIPTION OF PARAMETERS

LFN - LOCAL FILE NAME  
(MUST BE MSS FILE NAME, IN CASE THE FILE MUST BE  
FETCHED FROM THE MASS STORAGE SYSTEM)  
PFN - PERMANENT FILE NAME  
ID - ID UNDER WHICH PFN IS CATALOGED  
(DEFAULT: PUBLIC-ACCESS ID)  
UN - UN UNDER WHICH LFN IS STORED ON MSS  
(DEFAULT: FROM CHARGE CARD/LOGIN)  
PW - MSS PASSWORD, IF REQUIRED

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 20000B

REMARKS

THE PROCEDURE TESTS TO SEE IF PFN IS A LOCAL FILE.  
IF NOT, IT TRIES TO ATTACH IT USING THE SPECIFIED ID.  
IF NOT SUCCESSFUL, IT WILL TRY TO FETCH IT FROM THE MASS  
STORAGE SYSTEM USING <LFN> AS THE MSS FILE NAME.

EXAMPLES

1) GET USER XXXX'S PROGRAM XPROGABS:

BEGIN, FETCHM, MSS, ABS, XPROGRAMABS, XXXX, XXXX, XXXXPW.

2) GET NOS/BE LEVEL 461 PRODUCTS FILE (ID=CSYS):

BEGIN, FETCHM, MSS, PROD, PROD461, CSYS.

3) GET PUBLIC-ACCESS FILE RIQSCOPYS:

BEGIN, FETCHM, MSS, COPYS, RIQSCOPYS.

AUTHOR

SHARON GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: 01/05/82

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN, DOCGET, , PROCFIL, , FETCHM, OUTPUT, MSACCES=<PASSWORD>.

PROCEDURE 'F45IT'

PURPOSE

SIMPLE CONVERSION OF FTN4 SOURCE TO FTN5

FUNCTIONAL CATEGORIES: L7

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,F45IT,,F4,F5,OUTPUT.

DESCRIPTION OF PARAMETERS

F4 - INPUT FTN4 SOURCE PROGRAM  
F5 - OUTPUT FTN5 SOURCE PROGRAM  
OUTPUT - LISTABLE OUTPUT

DEFAULT BEGIN STATEMENT

BEGIN,F45IT,,F4,F5,OUTPUT.

MAX FL: 75000B

REMARKS

IF YOU WANT OTHER OUTPUT, SUCH AS UPDATE DIRECTIVES, USE F45  
DIRECTLY.

OUTPUT DESCRIPTION

ON OUTPUT:

- A NUMBER LISTING OF THE FTN4 SOURCE PROGRAM
- A NUMBER LISTING OF THE CONVERTED FTN5 SOURCE PROGRAM
- A SUMMARY OF THE CHANGES

ON F5:

- THE CONVERTED FTN5 SOURCE PROGRAM

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2 - THE PROCEDURE TO  
ACCESS CDC PROGRAM  
F45

DATE WRITTEN: 05/05/81

DATE(S) REVISED

07/20/82 - CONVERT INTO A PUBLIC-ACCESS PROCEDURE

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,F45IT,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'GETMFNS'

PURPOSE

DO MSAUDIT AND EXTRACT FILE NAMES

FUNCTIONAL CATEGORIES: Q0

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE FOR MSS

USAGE

BEGIN,GETMFNS,MSS,UN,LF,MSACCES.

DESCRIPTION OF PARAMETERS

UN - USERNAME (USER INITIALS)

LF - OUTPUT FILE

MSACCES - MSS ACCESS PASSWORD

(REQUIRED ONLY IF NOT PREVIOUSLY GIVEN IN JOB  
OR INTERCOM SESSION)

DEFAULT BEGIN STATEMENT

BEGIN,GETMFNS,MSS,,THEMFNS,.

MAX FL: 200000B

REMARKS

NONE

OUTPUT DESCRIPTION

THE OUTPUT FILE HAS ONE MSS FILE NAME (WITH UN) PER RECORD:

COL CONTENTS

-----  
1-7 MFN

8-14 UN

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 07/07/82

DATE(S) REVISED

10/17/83 - ADD TO MSS PROCEDURE FILE

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,GETMFNS,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'GETMS'

PURPOSE

TRANSFER ONE MSS FILE (OF EXECUTING USER) TO A CDC PERMANENT FILE

FUNCTIONAL CATEGORIES: K1 Q0

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE FOR MSS

COMPUTERS (OPERATING SYSTEMS)

CDC 6000/CYBER 170 (NOS/BE)

USAGE

BEGIN,GETMS,MSS,MFN,UN,PW,PFN, ID,XR,TK, RD,AC.

DESCRIPTION OF PARAMETERS

MFN	- MASS STORAGE SYSTEM FILE NAME
UN	- USERNAME FOR MSFETCH (IF OMITTED, EXECUTING USER ID IS USED)
PW	- PASSWORD FOR MSFETCH
PFN	- CDC PERMANENT FILE NAME (IF OMITTED, PFN=MFN)
ID	- ID FOR CATALOG ON CDC
XR	- XR PASSWORDS FOR CDC PERMANENT FILE
TK	- TK PASSWORDS FOR CDC PERMANENT FILE
RD	- RD PASSWORDS FOR CDC PERMANENT FILE
AC	- AC FOR CATALOG

DEFAULT BEGIN STATEMENT

BEGIN,GETMS,MSS,\*,\*,0,\*,\*.  
(\* - USER MUST SUPPLY)

MAX FL: 20000B

REMARKS

SEE ALSO PROCEDURES 'M2C', 'M2CALL'; 'PUTMS', 'C2M',  
'C2MALL'.

ERROR MESSAGES

GETMS REQUIRES MFN PARAMETER  
SELF-EXPLANATORY.

GETMS REQUIRES ID PARAMETER FOR CATALOG  
SELF-EXPLANATORY.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 01/13/82

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,GETMS,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'GETPROD'

PURPOSE

GET PRODUCTS FILE(S) FOR NOS/BE LEVELS 538, 518, 508, 461,  
439, 434, 420, 414, 410, 406, 401, 380 FROM THE MASS STORAGE  
SYSTEM

FUNCTIONAL CATEGORIES: Q0

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,GETPROD,,LVL,COBOL5,SORTMRG,MSACCES.

DESCRIPTION OF PARAMETERS

LVL - DESIRED LEVEL (SEE PURPOSE ABOVE)  
(LFN 'PROD' WILL CONTAIN THE PRODUCTS FILE)  
COBOL5 - NON-BLANK - GET COBOL5 FILE (LVL=434)  
(FILE 'COB5LIB' WILL CONTAIN IT)  
SORTMRG - NON-BLANK - GET SORT/MERGE V4 FILE (LVL=461)  
(FILE 'SORTLIB' WILL CONTAIN IT)  
MSACCES - YOUR MS ACCESS PASSWORD  
(REQUIRED ONLY IF NOT PREVIOUSLY SUBMITTED DURING  
JOB OR SESSION)

DEFAULT BEGIN STATEMENT

MAX FL: 20000B

REMARKS

NONE

ERROR MESSAGES

INVALID LEVEL (LVL)  
MUST BE ONE OF  
538 518 508 461 439 434 420  
414 410 406 401 380  
SELF-EXPLANATORY

NO LEVEL REQUESTED  
MUST BE ONE OF  
538 518 508 461 439 434 420  
414 410 406 401 380  
SELF-EXPLANATORY

\*\*\*\*\* NO SEPARATE LVL COBOL5 LIBRARY  
YOU ASKED FOR COBOL5 BUT THERE IS NO SEPARATE FILE FOR  
IT. EITHER COBOL5 DOES NOT EXIST AT THE REQUESTED LEVEL  
OR IT IS INCLUDED IN THE PRODUCTS FILE.

\*\*\*\*\* NO SEPARATE LVL SORTMRG LIBRARY  
YOU ASKED FOR SORTMRG, HOWEVER, IT IS INCLUDED IN THE  
PRODUCTS FILE.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 11/30/78

DATE(S) REVISED

06/04/82 - COMPLETE RE-WRITE TO GET FILES FROM MSS

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,GETPROD,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'GRIPE'

PURPOSE

ALLOW USER TO MAKE GRISES OR SUGGESTIONS DIRECTLY TO THE COMPUTER

FUNCTIONAL CATEGORIES: Q0

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,GRIPE,,OUTPUT,PROMPT,DUMMY,INPUT.

DESCRIPTION OF PARAMETERS

OUTPUT - LISTABLE OUTPUT, IF USER REQUESTS A COPY OF HIS COMMENTS. TO PRINT AT THE TELETYPE, USER MUST CONNECT,OUTPUT.

PROMPT - INTERACTIVE USE ONLY:

IF NO - ONLY NOMINAL PROMPTING IS PROVIDED.  
IF OMITTED OR ANYTHING ELSE - FULL PROMPTING IS PROVIDED.

DUMMY - RESERVED FOR FUTURE USE

INPUT - BATCH: FILE FROM WHICH GRIPE AND ADMINISTRATIVE INFORMATION IS TO BE READ.

INTERACTIVE: IF GRIPE IS TO BE ENTERED DIRECTLY FROM THE KEYBOARD, OMIT THIS PARAMETER.

IF THE GRIPE WAS PREPARED EARLIER (E.G., USING NETED OR EDITOR), ENTER THE LFN OF THE FILE CONTAINING THE GRIPE (DO NOT USE LFN 'INPUT').

DEFAULT BEGIN STATEMENT

BATCH : BEGIN,GRIPE,,OUTPUT,,,INPUT.

INTERACTIVE: BEGIN,GRIPE,,OUTPUT.

MAX FL: 36000B

REMARKS

ALL GRISES WILL BE READ AND, IF APPROPRIATE, TROUBLE FORMS WILL BE PREPARED.

DATA CARDS (BATCH ONLY)

THE GRIPE IS ENTERED IN COLUMNS 1-70 OF AS MANY CARDS AS REQUIRED (PLEASE BE BRIEF). THIS IS FOLLOWED BY A CARD WITH 'END' IN COLUMNS 1-10.

THE LAST CARD HAS ADMINISTRATIVE INFORMATION FOR PREPARING A TROUBLE FORM, SHOULD ONE BE NECESSARY. IT CONTAINS:

COL	CONTENTS
1-20	NAME
21-40	DTNSRDC CODE OR COMPANY NAME
41-50	TELEPHONE
51-54	USER INITIALS (OF THE FORM XXXX)

EXAMPLES

THE SIMPLEST FORM FOR BATCH USE:

JOB CARD  
CHARGE CARD  
BEGIN,GRIPE.  
' 7/8/9 EOR  
(GRIPE)

END  
NAME ... CODE ... PHONE INIT  
" 6/7/8/9 EOF

THE SIMPLEST FORM FOR INTERACTIVE USE:

CONNECT,OUTPUT.  
BEGIN,GRIPE.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL  
06/24/83 - PROHIBIT RUNNING ON MFC/MFD  
- ADD ERROR MESSAGE IF GRIPE FILE DISAPPEARS

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,GRIPE,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'IDDS'

PURPOSE

PREPARE/EXAMINE GRAPHICALLY NUMERICAL DATA INPUT TO OR  
OUTPUT FROM A FORTRAN PROGRAM

FUNCTIONAL CATEGORIES: L0 J5

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN, IDDS.  
BEGIN, IDDS,, ID, NAME.  
BEGIN, IDDS,,, INPUT.

DESCRIPTION OF PARAMETERS

ID - USER INITIALS  
NAME - NAME GIVEN AT TIME OF CATALOGING IDMFILE  
INPUT - WILL READ IDDS COMMANDS FROM BATCH

DEFAULT BEGIN STATEMENT

BEGIN, IDDS.

MAX FL: 100000

REMARKS

NONE

ERROR MESSAGES

FILE NOT CATALOGED

THE BEGIN STATEMENT IS MISSING THE APPROPRIATE NUMBER OF  
COMMAS

EXAMPLES

- 1) BEGIN, IDDS,, CAMV, FLNAME.  
WILL BEGIN PROCEDURE FROM THE IDMFILE CATALOGED  
AS 'CAMVFLNAMEIDMFILE, ID=CAMV'.
- 2) BEGIN, IDDS,,, BFILE.  
WILL LOOK FOR IDDS COMMANDS FROM LOCAL FILE BFILE

AUTHOR

MEL HAAS

DATE WRITTEN: JANUARY 1977

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN, DOCGET,, PROCFIL,, IDDS, OUTPUT, MSACCES=<PASSWORD>.

PROCEDURE 'LGOTREE'

PURPOSE

GENERATE CROSS-REFERENCE LISTS AND TREE STRUCTURE FROM  
BINARY RELOCATABLE OBJECT PROGRAM

FUNCTIONAL CATEGORIES: Q6

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN, LGOTREE,, LFN, OUTPUT, RFL.

DESCRIPTION OF PARAMETERS

LFN - RELOCATABLE PROGRAM TO BE PROCESSED (DEFAULT: LGO)  
OUTPUT - LISTABLE OUTPUT  
RFL - FL NEEDED FOR EXECUTION OF STRUCTURE PROGRAM  
(DEFAULT OF 30000 IS SUFFICIENT FOR MOST FILES)  
(USER'S FL IS RESTORED TO THE SYSTEM DEFAULT)

DEFAULT BEGIN STATEMENT

BEGIN, LGOTREE,, LGO, OUTPUT, 30000.

MAX FL: 30000B (OR AS USER SPECIFIES IN THIRD PARAMETER)

REMARKS

THIS PROCEDURE USES A PROGRAM WRITTEN AT THE CONSTRUCTION  
ENGINEERING RESEARCH LABORATORY (CERL) AND MODIFIED AT  
DTNSRDC.

REFERENCES IN A MAIN PROGRAM TO FILES LISTED IN THE PROGRAM  
STATEMENT WILL NOT GENERATE EXTERNAL REFERENCES AND,  
THEREFORE, WILL NOT APPEAR IN THE CROSS-REFERENCE LISTS OR  
TREE STRUCTURE. REPLACING THE PROGRAM STATEMENT WITH ONE  
CONTAINING NO FILES (E.G., 'PROGRAM SAMPLE') WILL FORCE  
EXTERNAL REFERENCES FOR I/O OPERATIONS WHICH WILL THEN BE  
PROCESSED BY THE STRUCTURE PROGRAM.

ERROR MESSAGES

ABNORMAL TERMINATION

IF NO OTHER ERRORS LISTED, INCREASE RFL  
USER-SPECIFIED (OR DEFAULT) RFL WAS NOT SUFFICIENT.  
THE PROCEDURE ENDS WITH 'REVERT,ABORT'.

<OUTPUT> CONTAINS STRUCTURE OF FILE <LFN>  
PROCEDURE WAS SUCCESSFUL

AUTHORS

DAVID V SOMMER - DTNSRDC CODE 1892.2 - PROCEDURE 'LGOTREE'  
PETE ROTH - DTNSRDC CODE 175.2 - PROGRAM 'ANATOMY'

DATE WRITTEN: 07/06/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL  
12/10/80 - CHANGE NAME FROM 'STRUCT' TO 'LGOTREE'  
- USE MODIFIED STRUCT PROGRAM CALLED ANATOMY

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,LGOTREE,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'LIBPRO'

**PURPOSE**

EXECUTE A PROCEDURE ON LIBRARY 'PROCFIL' CATALOGED UNDER ANY ID

FUNCTIONAL CATEGORIES: LO Q3

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,LIBPRO,,ID,PNAME,PARAMS.

**DESCRIPTION OF PARAMETERS**

ID - ID UNDER WHICH PROCEDURE LIBRARY IS CATALOGED  
(PFN MUST BE 'PROCFIL')

PNAME - PROCEDURE NAME

PARAMS - UP TO 18 PARAMETERS FOR PROCEDURE 'PNAME'  
(KEYWORD PARAMETERS MUST BE \$-DELIMITED, E.G.,  
\$OPT=L\$.)

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS UPON PROCEDURE BEING EXECUTED

**REMARKS**

ANY 'LIBRARY' STATEMENT IN EFFECT WHEN 'LIBPRO' STARTS IS CLEARED WHEN 'LIBPRO' FINISHES.

SEE ALSO PROCEDURES 'ANYPROM', 'ANYPROS', 'LIBPROA', 'MYPRO', 'MYPROS'.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 11/01/79

DATE(S) REVISED

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,LIBPRO,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'LIBPROA'

**PURPOSE**

EXECUTE A PROCEDURE ON ANY CATALOGUED PROCEDURE LIBRARY

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,LIBPROA,,PFN, ID, PNAME, PARAMS.

**DESCRIPTION OF PARAMETERS**

PFN - PERMANENT FILE NAME OF PROCEDURE FILE

ID - ID UNDER WHICH PFN IS CATALOGED

PNAME - PROCEDURE NAME

PARAMS - UP TO 17 PARAMETERS FOR 'PNAME'

(KEYWORD PARAMETERS MUST BE \$-DELIMITED, E.G.,  
\$OPT=L\$.)

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS UPON PROCEDURE BEING EXECUTED

**REMARKS**

ANY 'LIBRARY' STATEMENT IN EFFECT WHEN 'LIBPROA' STARTS IS  
CLEARED WHEN 'LIBPROA' FINISHES.

SEE ALSO PROCEDURES 'ANYPRO', 'ANYPROS', 'LIBPRO', 'MYPRO',  
'MYPROS'.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 11/01/79

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,LIBPROA,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'LIBSET1'

**PURPOSE**

CREATE SIMPLE ABSOLUTE USING ONE EDITLIB LIBRARY

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,LIBSET1,,LGO,ABS,LIB1, ID1.

DESCRIPTION OF PARAMETERS

LGO - RELOCATABLE PROGRAM  
ABS - RESULTING ABSOLUTE MODULE  
LIB1 - PFN OF EDITLIB USER LIBRARY  
(DEFAULT: NSRDC)  
ID1 - ID UNDER WHICH LIB1 IS CATALOGED  
(DEFAULT: SYSTEM PUBLIC-ACCESS ID)

DEFAULT BEGIN STATEMENT

BEGIN,LIBSET1,,LGO,ABS,NSRDC.

MAX FL: DEPENDS ON PROGRAM BEING LOADED

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/01/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,LIBSET1,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'LIBSET2'

PURPOSE

CREATE SIMPLE ABSOLUTE USING TWO EDITLIB LIBRARIES

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,LIBSET2,,LGO,ABS,LIB1, ID1,LIB2, ID2.

DESCRIPTION OF PARAMETERS

LGO	- RELOCATABLE PROGRAM
ABS	- RESULTING ABSOLUTE MODULE
LIB1	- PFN OF FIRST EDITLIB USER LIBRARY (DEFAULT: NSRDC)
ID1	- ID UNDER WHICH LIB1 IS CATALOGED (DEFAULT: SYSTEM PUBLIC-ACCESS ID)
LIB2	- PFN OF SECOND EDITLIB USER LIBRARY (DEFAULT: NSRDC)
ID2	- ID UNDER WHICH LIB2 IS CATALOGED (DEFAULT: SYSTEM PUBLIC-ACCESS ID)

DEFAULT BEGIN STATEMENT

BEGIN,LIBSET2,,LGO,ABS,NSRDC,,NSRDC.

MAX FL: DEPENDS ON PROGRAM BEING LOADED

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/01/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,LIBSET2,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'LINE6'

PURPOSE

SET PRINT FILE TO 6 LINES PER INCH

FUNCTIONAL CATEGORIES: J4

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,LINE6,,OUTPUT.

DESCRIPTION OF PARAMETER

OUTPUT - LISTABLE OUTPUT

DEFAULT BEGIN STATEMENT

BEGIN,LINE6,,OUTPUT.

MAX FL: 6000B

REMARKS

USER SHOULD PRINT THE NEXT LINE AT THE TOP OF THE NEXT PAGE.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 06/07/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,LINE6,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'LINE8'

PURPOSE

SET PRINT FILE TO 8 LINES PER INCH

FUNCTIONAL CATEGORIES: J4

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,LINE8,,OUTPUT.

DESCRIPTION OF PARAMETER

OUTPUT - LISTABLE OUTPUT

DEFAULT BEGIN STATEMENT

BEGIN,LINE8,,OUTPUT.

MAX FL: 6000B

REMARKS

USER SHOULD PRINT THE NEXT LINE AT THE TOP OF THE NEXT PAGE.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 06/07/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,LINE8,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'LIST'

**PURPOSE**

LIST A PERMANENT FILE

FUNCTIONAL CATEGORIES: 01

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE  
SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,LIST,,PFN,ID,OUTPUT,8,RTN,SHIFT,PW1,PW2,SN.

**DESCRIPTION OF PARAMETERS**

PFN - PERMANENT FILE NAME

ID - ID UNDER WHICH PFN IS CATALOGED

OUTPUT - LISTABLE OUTPUT

8 - PRINT DENSITY

OMITTED OR 8 - 8 LINES PER INCH

OTHER - 6 LINES PER INCH

RTN - LISTING PROGRAM DESIRED

OMITTED - COPYSF

OTHER - LISTZ (IN LIBRARY 'UTILITY')

SHIFT - NUMBER OF COLUMNS TO SHIFT PRINTOUT (DEFAULT: 1)  
(FOR A FILE HAVING CARRIAGE CONTROL IN COLUMN 1 OF  
EACH LINE, USE 0 TO USE THOSE CARRIAGE CONTROL  
CHARACTERS)

(SHIFT IS USED ONLY IF RTN IS OMITTED)

PW1,PW2 - TK AND RD PASSWORDS

SN - SETNAME (DEFAULT: SYSSET)

**DEFAULT BEGIN STATEMENT**

LIST,\*,OUTPUT,,8,,1.

(\* - USER MUST SUPPLY)

MAX FL: 33000B

**REMARKS**

THIS IS SOMEWHAT LIKE THE BURROUGHS LIST COMMAND IN THAT IT  
WILL ATTACH THE FILE BEFORE LISTING IT AND RETURN IT AFTER.

**EXAMPLES**

1) LIST A SEQUENTIAL SOURCE PROGRAM OR DATA FILE USING  
LISTZ:

BEGIN,LIST,,SOURCE/MYPROG,XXXX,,Z.

2) LIST A DOCUMENT FILE:

BEGIN,LIST,,DOC/MYPROG,XXXX,,0.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 09/25/80

DATE(S) REVISED

02/25/81 - GENERALIZE AND ADD TO PUBLIC PROCEDURE FILE  
12/17/82 - SPLIT PF STATEMENTS INTO MULTIPLE LINES TO AVOID  
POSSIBLE PROBLEMS AFTER PARAMETER SUBSTITUTION

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,LIST,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'MANUAL'

PURPOSE

PRINT ONE COPY OF A MANUAL OR ITS REVISION PAGES

FUNCTIONAL CATEGORIES: 01

COMPUTERS (OPERATING SYSTEMS)

CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

SYSTEM PUBLIC-ACCESS INTERACTIVE PROCEDURE FILE

USAGE

BEGIN,MANUAL,,WHICH,REV,OUTPUT,PM,FID,XJOB,MSACCES.  
BEGIN,MANUAL,I,<PARAMS>            <-- FOR INTERACTIVE VERSION  
BEGIN,MANUAL,I,?                    <-- FOR INTERACTIVE PROCESSING

DESCRIPTION OF PARAMETERS

WHICH - NAME OF DESIRED MANUAL

CDC SERIES:

CLIB (DEFAULT)

REV - (CLIB ONLY) ONE OF:

OMITTED OR 0 - CLIB  
M            - CLIB/M  
N            - CLIB/N  
P            - CLIB/P  
U            - CLIB/U

OUTPUT - LISTABLE OUTPUT

PM - OUTPUT FORMAT. ONE OF:

OMITTED - LEFT-JUSTIFIED, WIDE PAPER  
1T           - LEFT-JUSTIFIED, PM MESSAGE  
              FOR NARROW PAPER FOR  
              REMOTE BATCH TERMINALS

C            - CENTERED ON WIDE PAPER

FID - FILE ID FOR ROUTING TO XEROX 8700  
(IF OMITTED, FILE IS NOT ROUTED)

XJOB - XEROX 8700 JOB (IGNORED IF FID OMITTED)

ST4PRT - CONTINUOUS PRINTOUT

DOCPRT - EACH CHAPTER AND DOCUMENT START ON  
A NEW PAGE

MSACCES - MSACCES PASSWORD

(REQUIRED ONLY IF NOT SUBMITTED EARLIER IN THIS  
BATCH JOB OR INTERACTIVE SESSION)

DEFAULT BEGIN STATEMENT

BEGIN,MANUAL,,CLIB,,OUTPUT.

MAX FL: 30000B

REMARKS  
NONE

EXAMPLES

- 1) TO PRINT A COPY OF CLIB/P:  
BEGIN,MANUAL,,CLIB,P.
- 2) TO PRINT CLIB/N ON NARROW, UNLINED PAPER AT REMOTE  
TERMINAL 142:  
BEGIN,MANUAL,,CLIB,N,OUT,1T.  
ROUTE,OUT,DC=PR,TID=142,FID=\*.

AUTHOR

DAVID V. SOMMER - DTNSRDC 1892.2

DATE WRITTEN: 08/21/79

DATE(S) REVISED

- 12/09/80 - 'PM' PARAMETER EXPANDED TO ALLOW CENTERING OPTION
- 01/23/81 - EXPAND TO PRINT CCLIB-SERIES AND CCBLIB-SERIES  
(REPLACES PROCEDURES 'CCLIB' AND 'CCBLIB')
- 02/26/81 - CHANGE CCLIB TO CLIB, CCBLIB TO BLIB
- 11/15/82 - FIX PROCESSING OF 'PM' PARAMETER TO REMOVE 1T  
OUTPUT WHEN NOT REQUESTED
  - ADD SUPPORT FOR CLIB/N5
- 03/14/83 - ADD SUPPORT FOR CRM AND BRM MINOR PAGES
  - CHANGE FROM USING PROGRAM PROGDOC TO GETDOC
- 02/14/84 - REMOVE SUPPORT FOR BURROUGHS MANUALS
- 04/30/84 - ADD XEROX 8700 SUPPORT
  - MAKE INTERACTIVE
- 08/30/84 - PUT INTERACTIVE VERSION INTO INTEACTIVE FILE
  - PUT NON-INTERACTIVE VERSION INTO REGULAR FILE

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,MANUAL,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'MFX'

**PURPOSE**

TELL INTERACTIVE USER WHICH MAINFRAME HE IS USING

FUNCTIONAL CATEGORIES: Q0

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,MFX.

DEFAULT BEGIN STATEMENT

BEGIN,MFX.

MAX FL: 6000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: MID-1977

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

10/28/82 - FIX MFD MESSAGE

- REMOVE MFC SUPPORT

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,MFX,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'MF2MF'

PURPOSE

MOVE ALL FILES FROM ONE MAINFRAME TO ANOTHER VIA THE MASS STORAGE SYSTEM

FUNCTIONAL CATEGORIES: K1

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS MSS PROCEDURE FILE

EXECUTE STATEMENT

BEGIN, MF2MF, MSS, OPT, MSACCES, PW1, PW2, PW3, PW4, PW5, ID.

DESCRIPTION OF PARAMETERS

OPT - OPTION

S - STORE ALL PERMANENT FILES ON MSS  
R - RESTORE ALL PERMANENT FILES FROM MSS  
PM - PURGE THE TEMPORARY MSS FILES  
PP - PURGE THE ORIGINAL PERMANENT FILES

MSACCES - YOUR MSACCES PASSWORD (OPT=S/R/PM)

(REQUIRED ONLY IF IT HAS NOT ALREADY BEEN  
SUBMITTED IN THIS BATCH JOB OR INTERACTIVE  
SESSION)

PW1-PW5 - TK, RD, AND CN PASSWORDS (OPT=S)

ID - ID UNDER WHICH THE PERMANENT FILES ARE CATALOGED  
(IF OMITTED, ID IS TAKEN FROM THE CHARGE-CARD OR  
LOGIN) (OPT=S)

DEFAULT EXECUTE STATEMENT

NO MEANINGFUL DEFAULTS

MAX FL: 36000B

REMARKS

THIS PROCEDURE HAS FOUR OPTIONS AND PRODUCES FIVE PROCEDURES  
TO DO THE ACTUAL TRANSFER.

USE OPT=S FIRST TO PUT THE PERMANENT FILES ONTO THE MSS.

THEN, ON THE DESTINATION MAINFRAME, USE OPT=R TO RESTORE THE  
FILES FROM MSS. THE FILES WILL BE CATALOGED WITH THE SAME  
ID, AC AND CY AS THE ORIGINAL FILES. ANY PASSWORDS WILL BE  
LOST, EXCEPT FOR SOME NEW-CYCLE CATALOGS.

WHEN YOU ARE SURE ALL THE FILES HAVE BEEN TRANSFERRED, USE  
OPT=PM TO PURGE THE TEMPORARY MSS FILES USED FOR THE  
TRANSFER (THIS MAY BE DONE FROM EITHER MAINFRAME).

ON THE ORIGINAL MAINFRAME, USE OPT=PP TO PURGE THE ORIGINAL  
PERMANENT FILES.

LASTLY, IF ANY FILES HAD PASSWORDS, THEY MUST BE RE-DEFINED. TO HELP IN THIS PROCESS, PROCEDURE ADDXRTK (STORE IN MSS FILE ADDXRTK) WILL ATTACH AND RENAME YOUR FILES TO DEFINE THE XR AND TK PASSWORDS. IF YOU DON'T WANT ALL YOUR FILES TO HAVE PASSWORDS, OR IF YOU WANT TO PUT DIFFERENT PASSWORDS ON DIFFERENT FILES, YOU CAN USE ONE OF THE EDITORS TO DELETE OR MODIFY THIS PROCEDURE AS YOU WISH.

FOR EXAMPLE,

```
MSFETCH,ADDXRTK
NETED,ADDXRTK
<MAKE CHANGES>
SAVE
ADDXRTK
```

WHEN YOU ARE SURE THIS IS DONE AND CORRECT, PURGE THE MSS COPY OF THE PROCEDURE (MSPURGE,ADDXRTK).

#### ERROR MESSAGES

INVALID MF2MF OPTION (<OPT>)  
THE FIRST PARAMETER (OPT) WAS NOT RECOGNIZED. RE-EXECUTE WITH A VALID OPTION (S, R, PM, PP).

#### NO OPTION SPECIFIED

THE FIRST PARAMETER (OPT) WAS OMITTED. RE-EXECUTE WITH A VALID OPTION (S, R, PM, PP).

#### EXAMPLES

1) PUT ALL MFE FILES ONTO MSS FOR TRANSFER TO MFF (DONE ON MFE):

```
BEGIN,MF2MF,MSS,S,MYMSPW,,MYXR.
```

2) PUT THE MSS FILES ONTO MFF (DONE ON MFF):

```
BEGIN,MF2MF,MSS,R,MYMSPW.
```

3) PURGE THE MSS FILES (DONE ON ANY MAINFRAME):

```
BEGIN,MF2MF,MSS,PM,MYMSPW.
```

4) PURGE THE MFE FILES (DONE ON MFE):

```
BEGIN,MF2MF,MSS,PP.
```

5) PUT PASSWORDS ONTO CERTAIN MFF FILES (DONE ON MFF):

```
MSACCES,MYMSPW
MSFETCH,ADDXRTK
ATTACH,NETED
NETED,ADDXRTK
<MAKE CHANGES>
SAVE << SAVE MODIFIED PROCEDURE
ADDXRTK << EXECUTE PROCEDURE
MSPURGE,ADDXRTK << WHEN YOU ARE DONE
```

#### AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 06/17/83

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

```
BEGIN,DOCGET,,PROCFIL,,MF2MF,OUTPUT,MSACCES=<PW>.
```

PROCEDURE 'MNSRDC'

**PURPOSE**

EXECUTE A PROGRAM ON EDITLIB USER LIBRARY 'MNSRDC'

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,MNSRDC,,PROG,PARAMS.

DESCRIPTION OF PARAMETERS

PROG - PROGRAM TO BE EXECUTED

PARAMS - UP TO 19 PARAMETERS FOR 'PROG'

(KEYWORD PARAMETERS MUST BE \$-DELIMITED, E.G.,  
\$OPT=L\$.)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS ON PROGRAM BEING EXECUTED

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 07/25/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,MNSRDC,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'MSAUDIT'

PURPOSE

SORTED LO=F OR FULL LO=FP AUDIT OF MSS FILES

FUNCTIONAL CATEGORIES: Q0 S0 M1

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE FOR MASS STORE

USAGE

BEGIN,MSAUDIT,MSS,LF=<OUTPUT>,UN=<UN>,LO=<FORMAT>,DAY=<DAY>,  
PW.

DESCRIPTION OF PARAMETER

LF= - LISTABLE OUTPUT  
UN= - USER ID TO BE AUDITED  
      (MAY NOT BE USED WITH LO=FP)  
LO= - AUDIT FORMAT (SIMILAR TO NOS/BE AUDIT).  
      ONE OF:  
      S - SHORT AUDIT (LENGTH, MFN, CT, M, # USES)  
      I - INTERMEDIATE AUDIT (S + # STREAMS, CREATE  
          AND LAST ACCESS DATES,  
          PW, AC, \$/DAY)  
      P - SAME AS F  
      F - FULL MSAUDIT (3 LINES PER FILE)  
      FP - COMPLETE MSAUDIT OF ACCESSES TO ALL  
          SEMI-PRIVATE FILES  
          (UN MAY NOT BE USED WITH LO=FP)  
DAY= - OFF - TURN OFF DAYFILE MESSAGES FOR INDIVIDUAL  
          MSAUDITS FOR LO=FP (IT COULD GENERATE  
          WALLPAPER). HAS NO EFFECT ON OTHER OPTIONS.  
      ON - TURN ON DAYFILE MESSAGES  
PW= - PW - FOR LO=F, LIST FILE PASSWORDS, IF ANY  
          OMITTED - DO NOT LIST FILE PASSWORDS

DEFAULT BEGIN STATEMENT

BEGIN,MSAUDIT,MSS,OUTPUT,LO=F,DAY=ON.

MAX FL: 41000B

REMARKS

FOR LO=S/I/P/F: AN MSAUDIT,LO=F IS DONE AND PROGRAM MSAUD  
REFORMATS THE MSAUDIT OUTPUT.

FOR LO=FP: AN MSAUDIT,LO=F IS DONE. PROGRAM MSAUFP1  
EXTRACTS NAMES OF SEMI-PRIVATE FILES AND GENERATES A CCL  
PROCEDURE TO DO AN MSAUDIT,LO=FP FOR EACH SEMI-PRIVATE  
FILE. THE GENERATED PROCEDURE IS EXECUTED (BY THIS  
PROCEDURE)... PROGRAM MSAUFP2 THEN REFORMATS THIS OUTPUT  
INTO A TABLE OF FILES WHICH HAVE BEEN ACCESSED (BY OTHER  
THAN THE OWNER) AND A LIST OF THOSE WHICH HAVE NOT BEEN  
ACCESSED.

AD-A148 633

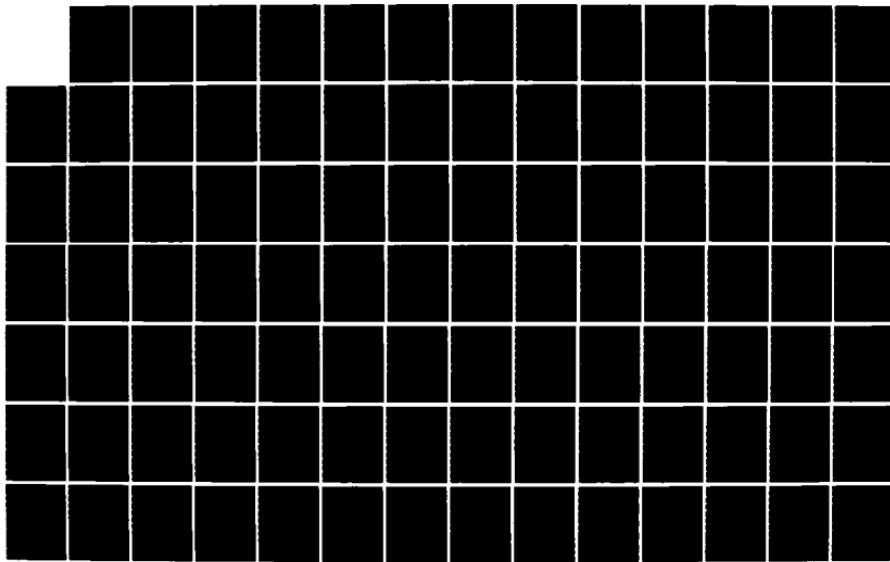
COMPUTER CENTER CDC LIBRARIES/PROCFIL (PROCEDURES) (U)  
DAVID W TAYLOR NAVAL SHIP RESEARCH AND DEVELOPMENT  
CENTER BET.. D V SOMMER JUN 84 DTNSRDC/CMRD-84-13

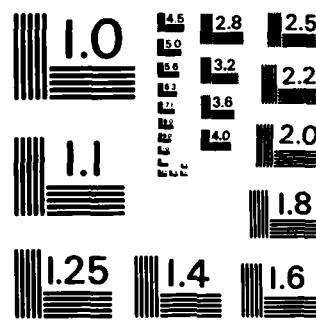
2/3

UNCLASSIFIED

F/G 9/2

NL





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS - 1963 - A

ERROR MESSAGES

UN NOT ALLOWED FOR LO-FP

LO-FP MAY BE USED ONLY FOR YOUR CATALOG (UN= OMITTED).

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/01/82

DATE(S) REVISED

07/16/82 - ADD 'AI' OPTION

07/27/82 - CHANGE 'AI' TO 'LO' TO CONFORM TO MSS USAGE

- ADD LO-FP OPTION

09/07/84 - ADD 'PW' OPTION

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,MSAUDIT,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'MSSALL'

**PURPOSE**

GET DOCUMENTS DESCRIBING PROCEDURES RELATED TO THE MASS  
STORAGE SYSTEM (MSS)

FUNCTIONAL CATEGORIES: Q0

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE FOR MSS

**USAGE**

BEGIN,MSSALL,MSS,L,LO,COPIES,MSACCES.

**DESCRIPTION OF PARAMETERS**

L	- LISTABLE OUTPUT	
LO	- LIST OPTION OMITTED OR LO=L OR LO=LEFT	- OUTPUT IS LEFT-JUSTIFIED ON PAGE
	ANYTHING ELSE	- OUTPUT IS CENTERED ON WIDE PAPER
COPIES	- NUMBER OF COPIES	
MSACCES	- YOUR MSACCES PASSWORD (REQUIRED ONLY IF NOT PREVIOUSLY SUBMITTED DURING CURRENT JOB OR INTERACTIVE SESSION)	

**DEFAULT BEGIN STATEMENT**

BEGIN,MSSALL,MSS,OUTPUT,L,1.  
BEGIN,MSSALL,MSS,L=OUTPUT,LO=L,COPIES=1.

**MAX FL:**

**REMARKS**

NONE

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 08/05/82

**DATE(S) REVISED**

02/10/84 - ADD MSACCES PASSWORD PARAMETER SINCE DOCUMENTS  
ARE NOW ON THE MSS

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,MSSALL,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'MSS2PF'**

**PURPOSE**

MOVE ALL YOUR MSS FILES TO PF

FUNCTIONAL CATEGORIES: K1

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE FOR MSS  
SYSTEM PUBLIC-ACCESS INTERACTIVE PROCEDURE FILE

**EXECUTE STATEMENT**

BEGIN,MSS2PF,MSS,PRE,SN,MSACCES.  
BEGIN,MSS2PF,I,<PARAMS>            <-- FOR INTERACTIVE VERSION  
BEGIN,MSS2PF,I,?                    <-- FOR INTERACTIVE PROCESSING

**DESCRIPTION OF PARAMETERS**

PRE      - OPTIONAL PREFIX FOR PERMANENT FILE NAME  
            OMITTED - PFN = MFN  
            SPECIFIED - PFN = PRE\_MFN  
SN      - SETNAME  
            OMITTED - CATALOG IN PERMANENT FILE SYSTEM  
            SPECIFIED - CATALOG ON YOUR PRIVATE PACK  
MSACCES - MSS ACCESS PASSWORD  
(REQUIRED ONLY IF NOT PREVIOUSLY SUBMITTED DURING  
BATCH JOB OR INTERACTIVE SESSION)

**DEFAULT EXECUTE STATEMENT**

BEGIN,MSS2PF,MSS,PRE=,SN=,MSACCES=.

MAX FL: 15000B

**REMARKS**

IF YOU HAVE A LOT OF FILES TO TRANSFER, YOU MAY WISH TO USE  
A BATCH JOB AT P2.

**METHOD**

THIS PROCEDURE WILL:

- 1) DO AN MSAUDIT.
- 2) RUN UTILITY PROGRAM 'MS2PF' TO CREATE THE PROCEDURE TO  
DO THE ACTUAL FILE TRANSFERS.
- 3) RUN THE GENERATED PROCEDURE.

AUTHORS

DAVID V. SOMMER - DTNSRDC CODE 1892.2 (PROCEDURE MSS2PF)  
STANLEY WILLNER - DTNSRDC CODE 1892.1 (PROGRAM MS2PF)

DATE WRITTEN: 04/19/84

DATE(S) REVISED

05/15/84 - MAKE INTERACTIVE  
- IF SN SPECIFIED, MUST RUN IN BATCH  
08/30/84 - PUT INTERACTIVE VERSION INTO INTEACTIVE FILE  
- PUT NON-INTERACTIVE VERSION INTO REGULAR FILE

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,MSS2PF,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'MSTABLE'

PURPOSE

GENERATE TABLE/MFNPFN INTERACTIVELY FOR MSS

FUNCTIONAL CATEGORIES: Q0

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE FOR MASS STORE

USAGE

BEGIN,MSTABLE,MSS.

DESCRIPTION OF PARAMETERS

NONE

DEFAULT BEGIN STATEMENT

BEGIN,MSTABLE,MSS.

MAX FL:

REMARKS

THE PROGRAM IS ENTIRELY INTERACTIVE, PROMPTING THE USER FOR ALL INFORMATION.

OUTPUT DESCRIPTION

- 1) A PERMANENT FILE CALLED TABLE/MFNPFN, ID=<USER'S-ID> CONTAINING MFN, CT, M, PW, NA, LFN, XR, TK, RD, AND AC FOR USE BY PROCEDURES C2M, C2MALL, M2C, AND M2CALL. THE FILE WILL HAVE THE FOLLOWING FORMAT:

COL	LEN	CONTENTS
1	1	FLAG
		BLANK - DATA ENTRY
		NON-BLANK - COMMENT ENTRY
3-9	7	MFN (MASS STORE FILE NAME)
11-12	2	CT (CATEGORY TYPE: P/PU/S)
14	1	M (PERMISSION: R/W)
16-22	7	PW (PASSWORD)
24	1	NA (OVERWRITE: 0/1)
26-65	40	PFN (CDC PERMANENT FILE NAME)
67-75	9	XR (PASSWORD)
77-85	9	TK (PASSWORD)
87-95	9	RD (PASSWORD)
97-106	10	AC (JOB ORDER NUMBER)

- 2) AN OPTIONAL LISTING OF THIS FILE.

METHOD

PROCEDURE MSTABLE RUNS INTERACTIVE PROGRAM MSTBL WHICH DOES THE FOLLOWING:

AFTER GREETING THE USER, INSTRUCTIONS ARE TYPED, IF REQUESTED.

THE USER IS NEXT ASKED IF A NEW TABLE IS TO BE CREATED OR AN OLD ONE EXPANDED. THE TK AND RD PASSWORDS FOR THE FILE MUST BE ENTERED. IF AN OLD TABLE IS BEING EXPANDED, IT IS ATTACHED BY THE PROGRAM.

BEFORE CREATING OR ADDING TO A TABLE, THE USER HAS THE OPPORTUNITY TO PRE-DEFINE PARAMETERS. THESE PRE-DEFINED VALUES ARE USED WHILE CREATING ENTRIES. THOSE NOT PRE-DEFINED MUST BE REQUESTED INDIVIDUALLY FOR EACH ENTRY. A MENU IS PRESENTED TO THE USER WHO SELECTS AN ITEM AND IS THEN ASKED FOR A VALUE. THE USER MAY DEFINE, CHANGE AND/OR DELETE ANY ITEMS UNTIL SIGNALLING THAT HE IS DONE. THERE IS ONE SHORTHAND ITEM TO DEFINE ALL THE MSS VALUES AS THE SYSTEM DEFAULTS. SINCE USERS MAY HAVE MORE THAN ONE JOB ORDER NUMBER AND TO ELIMINATE THE NEED TO EITHER PICK ONE AS THE DEFAULT FOR ALL FILES OR TO TYPE IN 10 DIGITS FOR EACH ENTRY, USERS MAY PRE-DEFINE UP TO THREE JOB ORDER NUMBERS TO BE REPRESENTED BY A SINGLE DIGIT. TOGETHER WITH '+', WHICH REPRESENTS THE LOGIN JOB ORDER NUMBER, THIS GIVES FOUR JOB ORDER NUMBERS WHICH CAN BE ENTERED BY A SINGLE CHARACTER. (NOTE THAT TO TAKE ADVANTAGE OF THIS, A DEFAULT MUST NOT BE SPECIFIED FOR AC, JUST FOR 1, 2 AND/OR 3.) THE MENU HAS AN OPTION TO LIST THE PARAMETERS THE USER HAS PRE-DEFINED. IT ALSO HAS AN OPTION TO RE-TYPE THE MENU. THE MENU SHOWS ANY DEFAULT VALUES WHICH THE USER HAS ALREADY DEFINED.

AFTER THE DEFAULTS HAVE BEEN DEFINED, THE USER IS ASKED FOR THE DATA TO MAKE THE INDIVIDUAL ENTRIES IN THE TABLE:

MFN - MASS STORE FILE NAME  
(107 ALPHANUMERIC CHARACTERS, FIRST ALPHABETIC)  
PFN - CDC PERMANENT FILE NAME  
(0-40 CHARACTERS; IF OMITTED, PFN=MFN)  
ANY PARAMETERS WHICH DO NOT HAVE PRE-DEFINED VALUES

ENTRIES TO THE TABLE ARE TERMINATED BY SPECIFYING MFN-END.

AFTER THE LAST NEW ENTRY, FOUR COMMENT RECORDS OF COLUMN MARKERS ARE ADDED TO HELP READ A LISTING OF THE TABLE. IN ADDITION, IF IT IS A NEW TABLE, THESE SAME COMMENTS ARE PUT AT THE START OF THE TABLE.

WHEN THE TABLE HAS BEEN COMPLETED, THE USER MAY REQUEST A LIST (THE FILE TO RECEIVE THE LIST MUST BE SPECIFIED). THE LISTING IS 113 COLUMNS WIDE.

THE PROGRAM CATALOGS THE NEW TABLE IF AT LEAST ONE NEW ENTRY WAS MADE. IF THE CATALOG WAS SUCCESSFUL AND AN OLD TABLE WAS EXPANDED, THE USER MAY REQUEST THE PROGRAM TO PURGE THE OLD TABLE.

THE PROGRAM RECOGNIZES THREE SPECIAL ENTRIES IN RESPONSE TO  
ANY QUESTION:

- @ - STOP THE PROGRAM IMMEDIATELY  
(NO CATALOG OR PURGE IS ATTEMPTED)
- ? - ASK FOR A MORE DETAILED DESCRIPTION OF THE  
CURRENT ITEM
- .. - TYPE A LINE OF COLUMN MARKERS SHOWING THE  
LENGTH OF THE CURRENT ITEM

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/05/82

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,MSTABLE,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'MYPRO'

**PURPOSE**

EXECUTE A PROCEDURE ON FILE 'PROCFIL' CATALOGED UNDER ANY ID

FUNCTIONAL CATEGORIES: LO Q3

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,MYPRO,,ID,PNAME,PARAMS.

**DESCRIPTION OF PARAMETERS**

ID - ID UNDER WHICH PROCEDURE FILE IS CATALOGED  
(PFN MUST BE 'PROCFIL')

PNAME - PROCEDURE NAME

PARAMS - UP TO 18 PARAMETERS FOR PROCEDURE 'PNAME'  
(KEYWORD PARAMETERS MUST BE \$-DELIMITED, E.G.,  
\$OPT=L\$.)

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS UPON PROCEDURE BEING EXECUTED

**REMARKS**

SEE ALSO PROCEDURES 'ANYPRO', 'ANYPROS', 'LIBPRO',  
'LIBPROA', 'MYPROS'.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 07/21/76

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,MYPRO,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'MYPROS'**

**PURPOSE**

EXECUTE A PROCEDURE ON SEQUENTIAL FILE 'PROCFILS' CATALOGED  
UNDER ANY ID

FUNCTIONAL CATEGORIES: L0 Q3

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,MYPROS,,ID,PNAME,PARAMS.

**DESCRIPTION OF PARAMETERS**

ID - ID UNDER WHICH SEQUENTIAL PROCEDURE FILE IS  
CATALOGED (PFN MUST BE 'PROCFILS')  
PNAME - PROCEDURE NAME  
PARAMS - UP TO 18 PARAMETERS FOR PROCEDURE 'PNAME'  
(KEYWORD PARAMETERS MUST BE \$-DELIMITED, E.G.,  
\$OPT=L\$.)

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS UPON PROCEDURE BEING EXECUTED

**REMARKS**

SEE ALSO PROCEDURES 'ANYPRO', 'ANYPROS', 'LIBPRO',  
'LIBPROA', 'MYPYR'.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/27/78

DATE(S) REVISED

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,MYPROS,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'M2C'**

**PURPOSE**

TRANSFER ONE MSS FILE (OF EXECUTING USER) TO A CDC PERMANENT FILE (BASED ON USER'S CDC FILE TABLE/MFNPFN)

FUNCTIONAL CATEGORIES: K1 Q0

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE FOR MSS

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

**USAGE**

BEGIN,M2C,MSS,TBLTK,PFN,XR,TK,RD.

**DESCRIPTION OF PARAMETERS**

TBLTK	- TK PASSWORD FOR TABLE/MFNPFN	*
PFN	- CDC PERMANENT FILE TO BE FETCHED	*
XR	- XR PASSWORD ON CDC PERMANENT FILE	*
TK	- TK PASSWORD ON CDC PERMANENT FILE	*
RD	- RD PASSWORD ON CDC PERMANENT FILE	*

(\* - IF OMITTED, TAKEN FROM TABLE/MFNPFN)

**DEFAULT BEGIN STATEMENT**

BEGIN,M2C,MSS,,\*.

(\* - USER MUST SUPPLY)

MAX FL: 26000B

**REMARKS**

A FILE RELATING MFN TO PFN MUST BE CREATED BY THE USER AND CATALOGED WITH CDC PERMANENT FILE NAME 'TABLE/MFNPFN' UNDER THE EXECUTING USER'S ID. IT SHOULD HAVE A TK PASSWORD. THE FILE FORMAT IS DESCRIBED BELOW.

THIS PROCEDURE EXECUTES UTILITY PROGRAM 'XFRM2C'.

SEE ALSO PROCEDURES 'GETMS', 'M2C'; 'PUTMS', 'C2M', 'C2MALL'.

PROCEDURE 'MSTABLE' MAY BE USED TO CREATE/EXPAND A TABLE.

DATA CARDS IN FILE TABLE/MFNPFN, ID=<USER ID>

COL	CONTENTS
-----	----------

1	FLAG BLANK - DATA CARD NON-BLANK - COMMENT CARD
3-9	MFN
26-65	PFN (THE PROGRAM WILL PUT \$...\$ AROUND EACH PFN)
67-75	DEFAULT XR PASSWORD
77-85	DEFAULT TK PASSWORD
87-95	DEFAULT RD PASSWORD
97-106	DEFAULT AC (JOB ORDER NUMBER)

ERROR MESSAGES (PROGRAM XFRM2C)

MFN MUST BE SPECIFIED  
SELF-EXPLANATORY.

MFN TOO LONG - 7 CHAR MAX  
SELF-EXPLANATORY.

RD TOO LONG - 9 CHAR MAX  
SELF-EXPLANATORY.

TBLTK TOO LONG - 9 CHAR MAX  
SELF-EXPLANATORY.

TK TOO LONG - 9 CHAR MAX  
SELF-EXPLANATORY.

UNABLE TO ATTACH TABLE/MFNPFN  
<REASON>  
SHOULD BE SELF-EXPLANATORY.

UNRECOGNIZED PARAMETER # <N> (<PARAMETER>) IGNORED  
UNRECOGNIZED EXECUTE PARAMETER. IGNORED.

XR TOO LONG - 9 CHAR MAX  
SELF-EXPLANATORY.

MESSAGES (GENERATED PROCEDURE XM2C)

MSS FILE <MFN>  
CATALOGED AS  
<PFN>  
ID=<YOUR ID>  
TRANSFER WAS SUCCESSFUL.

MSFETCH OF <MFN>  
OR CATALOG AS  
<PFN>  
ID=<YOUR ID>  
FAILED -----  
PREVIOUS SYSTEM MESSAGES SHOULD IDENTIFY THE PROBLEM.

EXAMPLES

- 1) GET YOUR CDC FILE 'SOURCE/MYPROG' FROM MSS USING DEFAULT  
PASSWORDS FROM TABLE/MFNPFN:

BEGIN,M2C,MSS,MYTBLTK,\$SOURCE/MYPROGS.

- 2) GET YOUR CDC FILE 'OTHRPRG' FROM MSS. THE CDC FILE MAY  
ALREADY EXIST AND HAVE XR=MYXR:

BEGIN,M2C,MSS,MYTBLTK,OTHRPRG,MYXR.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 01/13/82

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,:,M2C,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'M2CALL'**

**PURPOSE**

TRANSFER ALL MSS FILES (OF EXECUTING USER) TO CDC (BASED ON  
USER'S FILE TABLE/MFNPFN)

FUNCTIONAL CATEGORIES: K1 Q0

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE FOR MSS

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

**USAGE**

BEGIN,M2CALL,MSS,TBLTK,XR,TK,RD.

**DESCRIPTION OF PARAMETERS**

TBLTK	- TK PASSWORD FOR TABLE/MFNPFN	
XR	- XR PASSWORD FOR CDC PERMANENT FILE	*
TK	- TK PASSWORD FOR CDC PERMANENT FILE	*
RD	- RD PASSWORD FOR CDC PERMANENT FILE	*

(\* - IF OMITTED, TAKEN FROM TABLE/MFNPFN)

**DEFAULT BEGIN STATEMENT**

BEGIN,M2CALL,MSS.

MAX FL: 26000B

**REMARKS**

A FILE RELATING MFN TO PFN MUST BE CREATED BY THE USER AND  
CATALOGED WITH CDC PERMANENT FILE NAME 'TABLE/MFNPFN' UNDER  
THE EXECUTING USER'S ID. IT SHOULD HAVE A TK PASSWORD. THE  
FILE FORMAT IS DESCRIBED BELOW.

THIS PROCEDURE EXECUTES UTILITY PROGRAM 'XFRM2CA'.

SEE ALSO PROCEDURES 'GETMS', 'M2C'; 'PUTMS', 'C2M',  
'C2MALL'.

PROCEDURE 'MSTABLE' MAY BE USED TO CREATE/EXPAND A TABLE.

**DATA CARDS IN FILE TABLE/MFNPFN, ID=<USER ID>**

COL	CONTENTS
-----	----------

-----

1	FLAG
	BLANK - DATA CARD
	NON-BLANK - COMMENT CARD
3-9	MFN
26-65	PFN (THE PROGRAM WILL PUT \$...\$ AROUND EACH PFN)
67-75	DEFAULT XR PASSWORD
77-85	DEFAULT TK PASSWORD
87-95	DEFAULT RD PASSWORD
97-106	DEFAULT AC (JOB ORDER NUMBER)

ERROR MESSAGES (PROGRAM XFRM2CA)  
RD TOO LONG - 9 CHAR MAX  
SELF-EXPLANATORY

TBLTK TOO LONG - 9 CHAR MAX  
SELF-EXPLANATORY

TK TOO LONG - 9 CHAR MAX  
SELF-EXPLANATORY

UNABLE TO ATTACH TABLE/MFNPFN  
<REASON>  
SHOULD BE SELF-EXPLANATORY

UNRECOGNIZED PARAMETER # <N> (<PARAMETER>) IGNORED  
UNRECOGNIZED EXECUTE PARAMETER. IGNORED.

XR TOO LONG - 9 CHAR MAX  
SELF-EXPLANATORY

EXAMPLES

1) TRANSFER YOUR MSS FILES TO CDC USING DEFAULT PASSWORDS  
FROM FILE TABLE/MFNPFN:

BEGIN,M2CALL,MSS,MYTBLTK.

2) TRANSFER YOUR MSS FILES TO CDC PUTTING XR PASSWORD  
(XR=MYXR) ON ALL FILES:

BEGIN,M2CALL,MSS,MYTBLTK,MYXR.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 01/13/82

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,M2CALL,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'NEWID'

PURPOSE

RENAME ID ON ONE PERMANENT FILE (BY COPYING THE FILE)

FUNCTIONAL CATEGORIES: Q4

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE  
SYSTEM PUBLIC-ACCESS INTERACTIVE PROCEDURE FILE

USAGE

BEGIN,NEWID,,PFN, ID,NEWID,PW1,PW2,PW3,PW4,PW3,XR,AC.  
BEGIN,NEWID,I,<PARAMS>                    <-- FOR INTERACTIVE VERSION  
BEGIN,NEWID,I,?                            <-- FOR INTERACTIVE PROCESSING

DESCRIPTION OF PARAMETERS

PFN        - PERMANENT FILE TO BE RENAMED  
ID        - ID UNDER WHICH PFN IS NOW CATALOGED  
NEWID    - ID UNDER WHICH PFN IS TO BE CATALOGED  
PW1-PW5 - PASSWORDS FOR ATTACHING THE FILE  
            (ONLY CN, RD AND TK REQUIRED)  
XR        - OPTIONAL XR PASSWORD TO BE PUT ONTO THE FILE  
AC        - OPTIONAL AC TO BE PUT ONTO THE FILE

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 20000B

REMARKS

SINCE THE PUBLIC PERMANENT FILE SYSTEM WAS SPLIT ONTO TWO SETNAMES, IT IS NOT POSSIBLE TO RENAME FILES USING A SIMPLE RENAME STATEMENT. INSTEAD, EACH FILE MUST BE COPIED AND CATALOGED, AND THE ORIGINAL FILE PURGED.

THIS PROCEDURE WILL ATTACH A SINGLE PERMANENT FILE, COPY AND CATALOG IT AND PURGE THE ORIGINAL.

TO RENAME THE ID ON ALL FILES, USE PROCEDURE 'RENAMID'.

**ERROR MESSAGES**

ID AND NEWID ARE THE SAME  
NO RENAME NEEDED  
SELF-EXPLANATORY.

**EXAMPLES**

- 1) CHANGE URID'S FILE ABC TO MYID. THERE IS ONLY ONE  
PASSWORD AND THE FILE IS TO RECEIVE AN XR PASSWORD OF  
MYXR:

BEGIN,NEWID,,ABC,URID,MYID,XR=MYXR.

- 2) CHANGE URID'S FILE ABC TO MYID. THERE ARE 3 PASSWORDS ON  
THE FILE AND IT IS TO RECEIVE AN XR PASSWORD OF MYXR AND  
AN AC OF 1234567890.

BEGIN,NEWID,,ABC,URID,MYID,URXR,URTK,URXRD,MYXR,  
1234567890.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/23/82

**DATE(S) REVISED**

12/17/82 - SPLIT PF STATEMENTS INTO MULTIPLE LINES TO AVOID  
POSSIBLE PROBLEMS AFTER PARAMETER SUBSTITUTION  
04/26/84 - MAKE INTERACTIVE  
08/30/84 - PUT INTERACTIVE VERSION INTO INTEACTIVE FILE  
- PUT NON-INTERACTIVE VERSION INTO REGULAR FILE

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,NEWID,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'NOGO'

**PURPOSE**

CREATE SIMPLE ABSOLUTE FROM RELOCATABLE

FUNCTIONAL CATEGORIES: L0 Q3

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,NOGO,,LGO,ABS.

**DESCRIPTION OF PARAMETERS**

LGO - RELOCATABLE PROGRAM  
ABS - RESULTING ABSOLUTE MODULE  
(MAY BE CATALOGED).

**DEFAULT BEGIN STATEMENT**

BEGIN,NOGO,,LGO,ABS.

MAX FL: DEPENDS UPON PROGRAM BEING LOADED

**REMARKS**

NONE

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 04/21/76

**DATE(S) REVISED**

03/01/78 - CONVERT TO CCL

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,NOGO,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'NORERUN'

PURPOSE

INSURE THAT A BATCH JOB CANNOT BE RERUN BY OPERATOR  
TYPE-IN

FUNCTIONAL CATEGORIES: Q0

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN, NORERUN.

DEFAULT BEGIN STATEMENT

BEGIN, NORERUN.

MAX FL: 4500B

REMARKS

THIS PROCEDURE WILL CATALOG AND PURGE A DUMMY FILE.

ERROR MESSAGES

SORRY - NORERUN IS FOR BATCH ONLY  
TRIED TO EXECUTE PROCEDURE OUTSIDE OF BATCH

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 06/14/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,NORERUN,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'OFLREQ'

**PURPOSE**

GENERATE AN OFF-LINE REQUEST (CALCOMP OR MICROFICHE)

FUNCTIONAL CATEGORIES: Q0

COMPUTERS (OPERATING SYSTEMS)

CDC 6000/CYBER 170 (NOS/BE)

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,OFLREQ,,TYPE.

**DESCRIPTION OF PARAMETER**

TYPE - TYPE OF OFF-LINE REQUEST DESIRED  
936 OR CALCOMP - CALCOMP 936

1051 - CALCOMP 1051

COM - COM (MICROFICHE)

**DEFAULT BEGIN STATEMENT**

BEGIN,OFLREQ,,936.

MAX FL: 40000B

**REMARKS**

IF YOU GIVE AN INVALID TYPE, THE PROGRAM THIS PROCEDURE EXECUTES WILL ASK YOU FOR THE CORRECT TYPE.

THE PROGRAM WILL ROUTE A COPY OF THE GENERATED REQUEST FORM AS WELL AS GIVE YOU A COPY IN FILE 'FORM'.

WHEN RUN FROM BATCH, INPUT IS READ FROM FILE 'KEYBRD'. ALL ENTRIES MUST BE VALID, SINCE CHECKING IS THE SAME AS WHEN RUN INTERACTIVELY. THE PROMPTING MESSAGES ARE WRITTEN ONTO FILE 'CONSOL', WHICH MAY BE REWOUND AND COPIED TO OUTPUT, IF DESIRED. A COPY OF THE ROUTED FORM WILL BE ON FILE 'FORM', WHICH IS REWOUND, AND MAY BE COPIED TO OUTPUT, IF DESIRED.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 09/02/81

**DATE(S) REVISED**

10/13/81 - V1.1 - ALLOW BATCH EXECUTION

12/12/83 - V1.2 - CHANGE MFB TO MFE IN PROGRAM EXECUTED BY THIS PROCEDURE

03/06/84 - V1.3 - CORRECT DETERMINATION OF BATCH/INTERACTIVE

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,OFLREQ,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'PAC'

PURPOSE

PURGE ALL CYCLES OF A FILE

FUNCTIONAL CATEGORIES: Q4

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,PAC,,PFN, ID, PW1, PW2, PW3, PW4, PW5, SN, UV.

DESCRIPTION OF PARAMETERS

PFN - PERMANENT FILE NAME

ID - ID

PW1-PW5 - UP. TO 5 PASSWORDS

SN - SETNAME (DEFAULT: SYSSET)

UV - UNIVERSAL PASSWORD (FOR USER DEVICE SETS)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 15000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 01/27/80

DATE(S) REVISED

02/24/81 - ADD SN AND UV PARAMETERS

12/17/82 - SPLIT PF STATEMENTS INTO MULTIPLE LINES TO AVOID  
POSSIBLE PROBLEMS AFTER PARAMETER SUBSTITUTION

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,PAC,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'PAHC'

PURPOSE

PURGE ALL HIGH CYCLES WHILE RETAINING LOW CYCLE

FUNCTIONAL CATEGORIES: Q4

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,PAHC,,PFN,ID,PW1,PW2,PW3,PW4,PW5,SN,UV.

DESCRIPTION OF PARAMETERS

PFN - PERMANENT FILE NAME

ID - ID

PW1-PW5 - UP TO 5 PASSWORDS

SN - SETNAME (DEFAULT: SYSSET)

UV - UNIVERSAL PASSWORD (FOR USER DEVICE SETS)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 15000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 01/27/80

DATE(S) REVISED

02/24/81 - ADD SN AND UV PARAMETERS

12/17/82 - SPLIT PF STATEMENTS INTO MULTIPLE LINES TO AVOID  
POSSIBLE PROBLEMS AFTER PARAMETER SUBSTITUTION

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,PAHC,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'PAKPAS'**

**PURPOSE**

CHANGE PRIVATE PACK PASSWORDS, OPTIONALLY ADD EXTEND  
PASSWORD TO PRE-LEVEL 508 PACKS

FUNCTIONAL CATEGORIES: Q0

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,PAKPAS,,VSN,SN,RD,MD,CN,EX,NRD,NMD,NCN,NEX,UTK,PB.

**DESCRIPTION OF PARAMETERS**

VSN - PACK VOLUME SERIAL NUMBER

SN - SETNAME

RD - EXISTING READ PASSWORD

MD - EXISTING MODIFY PASSWORD

CN - EXISTING CONTROL PASSWORD

EX - EXISTING EXTEND PASSWORD, OMIT IF NONE

NRD - NEW READ PASSWORD

NMD - NEW MODIFY PASSWORD

NCN - NEW CONTROL PASSWORD

NEX - NEW EXTEND PASSWORD

UTK - USER TURNKEY (IF ANY)

PB - OMIT FOR LEVEL 508 (AND AFTER) PACKS HAVING NO USER  
PUBLIC PASSWORD. IF USED, MUST BE IN KEYWORD FORM:

PB=USERPUBLIC WHERE USER HAS OWN PB PASSWORD

PB WHERE PACK WAS INITIALIZED BEFORE 508

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULTS

MAX FL: 20000B

**REMARKS**

WHEN PB PARAMETER IS USED, THE LETTERS PB ARE REQUIRED.

**EXAMPLES**

1. ALTER OLD RD,MD,CN PASSWORDS AND ADD EXTEND PASSWORD TO  
SET INITIALIZED BEFORE LEVEL 508:

BEGIN,PAKPAS,,DV9999,MYSET,MYRD,MYMD,MYCN,,NEWRD,  
NEWMD,NEWCN,NEWEXT,PB.

2. ALTER ALL 4 PASSWORDS ON PACK HAVING USER TURNKEY  
SET INITIALIZED AFTER LEVEL 508 SYSTEM WAS INSTALLED:

BEGIN,PAKPAS,,DV9998,ASETNAME,OLDRD,OLDMD,OLDCN,  
OLDEX,RDNEW,MDNEW,CNNEW,EXNEW,MYTK.

3. ALTER ALL 4 PASSWORDS ON PACK HAVING USER-SELECTED PB  
PASSWORD (ONLY AVAILABLE BEGINNING AT LEVEL 508):

BEGIN,PAKPAS,,<VSN>,<SN>,RDO,MDO,CNO,EXO,RDN,MDN,  
CNN,EXN,PB=MYPBPASS.

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: 09/23/81

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,PAKPAS,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'PALC'**

**PURPOSE**

PURGE ALL LOW CYCLES WHILE RETAINING HIGH CYCLE

**FUNCTIONAL CATEGORIES: Q4**

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN, PALC, , PFN, ID, PW1, PW2, PW3, PW4, PW5, SN, UV.

**DESCRIPTION OF PARAMETERS**

PFN	- PERMANENT FILE NAME
ID	- ID
PW1-PW5	- UP TO 5 PASSWORDS
SN	- SETNAME (DEFAULT: SYSSET)
UV	- UNIVERSAL PASSWORD (FOR USER DEVICE SETS)

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: 15000B

**REMARKS**

NONE

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 01/27/80

**DATE(S) REVISED**

02/24/81 - ADD SN AND UV PARAMETERS

12/17/82 - SPLIT PF STATEMENTS INTO MULTIPLE LINES TO AVOID  
POSSIBLE PROBLEMS AFTER PARAMETER SUBSTITUTION

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN, DOCGET, , PROCFIL, , PALC, OUTPUT, MSACCES=<PASSWORD>.

PROCEDURE 'PARMGET'

**PURPOSE**

GENERATE SUBROUTINE 'PARMGET' TO PROCESS USER EXECUTE  
PARAMETERS FOR FTN5 PROGRAMS

FUNCTIONAL CATEGORIES: Q0

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE  
SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN, PARMGET, , LFN, PARMLEN, VALULEN, SHORT.

**DESCRIPTION OF PARAMETERS**

LFN - LFN OF FILE TO CONTAIN THE GENERATED SUBROUTINE  
PARMLEN - LENGTH OF LONGEST USER PARAMETER  
VALULEN - LENGTH OF LONGEST USER VALUE  
SHORT - IF OMITTED, THE GENERATED SUBROUTINE HANDLES FOUR  
PARAMETERS (I=, L=, DEBUG, D=)  
IF ANY VALUE SPECIFIED, THE GENERATED SUBROUTINE  
HANDLES TWO PARAMETERS (I=, L=)

DEFAULT BEGIN STATEMENT  
PARMGET, G, 5, 7.

MAX FL: 20000B

**REMARKS**

THE GENERATED SUBROUTINE HAS CODE FOR:

- 1) CALCULATING THE LENGTH OF BOTH THE PARAMETER AND VALUE  
STRINGS (USING SUBROUTINE 'LASTCH')
- 2) INPUT FILE 'I='
- 3) OUTPUT FILE 'L='
- 4) DEBUG OPTION 'DEBUG=YES' (SHORT OMITTED)  
(ANYTHING ELSE IMPLIES 'DEBUG=NO')
- 5) DEBUG FILE 'D=' (SHORT OMITTED)
- 6) DAYFILE MESSAGE FOR UNRECOGNIZED PARAMETERS.

THE GENERATED ROUTINE IS EASILY MODIFIED TO ADD OTHER  
PARAMETERS, OR MODIFY THE SUPPLIED ONES.

THIS SUBROUTINE, OR ONE LIKE IT, SHOULD BE USED TO EXTRACT  
ALL THE USER EXECUTE PARAMETERS. THIS IS ESPECIALLY  
IMPORTANT SINCE THIS IS A MACHINE-DEPENDENT FEATURE. THE  
SUBROUTINE CAN BE REMOVED OR REPLACED BY ANOTHER WHEN MOVING  
THE PROGRAM TO ANOTHER COMPUTER.

DON'T ANALYZE THE PARAMETERS IN THIS SUBROUTINE. INSTEAD,  
USE A SEPARATE SUBPROGRAM, SINCE ANALYZING PARAMETERS MAY  
BE THE SAME EVEN ON ANOTHER COMPUTER.

**OUTPUT DESCRIPTION**

A NEW FILE 'LFN' WILL CONTAIN THE GENERATED SUBROUTINE.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 12/15/81

DATE(S) REVISED

08/17/82 - ADD TO PUBLIC-ACCESS PROCEDURE FILE

01/28/83 - GENERATED SUBROUTINE WILL NOW RETURN THE LENGTHS  
OF THE KEYWORD PARAMETERS

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,PARMGET,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'PFRSTOR'

**PURPOSE**

CREATE A FILE OF DIRECTIVES TO RESTORE PERMANENT FILES

FUNCTIONAL CATEGORIES: Q4

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE  
PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN, PFRSTOR.

DEFAULT BEGIN STATEMENT  
BEGIN, PFRSTOR.

MAX FL:

**REMARKS**

THIS PROCEDURE EXECUTES A PROGRAM WHICH WILL PROMPT THE  
USER FOR INFORMATION NEEDED TO CREATE A FILE OF DIRECTIVES  
WHICH WILL THEN BE USED BY USER SERVICES TO RESTORE  
PERMANENT FILES WHICH WERE PURGED BECAUSE OF LACK OF USE.

THE FILE CREATED HAS PFN=RESTOREFILES AND IS CATALOGED UNDER  
THE ID OF THE PERSON RUNNING THE PROCEDURE.

THE PROGRAM THIS PROCEDURE EXECUTES HAS BUILT-IN DIRECTIONS.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 04/16/80

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT  
BEGIN, DOCGET, , PROCFIL, , PFRSTOR, OUTPUT, MSACCES=<PASSWORD>.

**PROCEDURE 'PGMTAPE'**

**PURPOSE**

EXTRACT A SOURCE PROGRAM FROM TAPE

**FUNCTIONAL CATEGORIES: Q6**

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,PGMTAPE,,LIB,PGM,OUTFILE,CST.

**DESCRIPTION OF PARAMETERS**

LIB - LIBRARY (ONE OF: BIMED, NSRDC (DEFAULT),  
SSP)  
PGM - PROGRAM DESIRED  
OUTFILE - FILE TO CONTAIN SOURCE PROGRAM  
CST - TYPE OF FILE DESIRED  
C - COMPILE FILE (UPDATE,C=OUTFILE)  
S - SOURCE FILE (UPDATE,S=OUTFILE)  
T - SOURCE FILE (UPDATE T=OUTFILE)

**DEFAULT BEGIN STATEMENT**

BEGIN,PGMTAPE,,NSRDC,\*,COMPILE,C.  
(\* - USER MUST SUPPLY)

MAX FL: 42000B

**REMARKS**

THIS IS A BATCH-ONLY PROCEDURE. THE JOB CARD MUST SPECIFY  
MT1. THE PROCEDURE WILL SUPPLY THE LABEL CARD.

**ERROR MESSAGES**

NO PROGRAM REQUESTED  
PARAMETER 'PGM' WAS OMITTED.

PGMTAPE REQUIRES A TAPE AND MUST BE RUN FROM BATCH  
USER TRIED TO EXECUTE PGMTAPE FROM INTERCOM.

UNKNOWN LIBRARY (<LIB>)  
INDICATED LIBRARY NAME IS NOT SUPPORTED.

**EXAMPLE**

GET SOURCE PROGRAM FOR PROGRAM 'CMPINV' IN LIBRARY 'NSRDC':

JOBNAME,MT1.  
CHARGE,....  
BEGIN,PGMTAPE,,,CMPINV,FILE.

LFN 'FILE' CONTAINS A COMPILE FILE COPY OF 'CMPINV'.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 08/24/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,PGMTAPE,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'PHC'**

**PURPOSE**

PURGE HIGH CYCLE WHILE RETAINING LOW CYCLE

**FUNCTIONAL CATEGORIES: Q4**

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,PHC,,PFN, ID, PW1, PW2, PW3, PW4, PW5, SN, UV.

**DESCRIPTION OF PARAMETERS**

PFN - PERMANENT FILE NAME

ID - ID

PW1-PW5 - PASSWORDS

SN - SETNAME (DEFAULT: SYSSET)

UV - UNIVERSAL PASSWORD (FOR USER DEVICE SETS)

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: 15000B

**REMARKS**

NONE

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 01/27/80

**DATE(S) REVISED**

02/24/81 - ADD SN AND UV PARAMETERS

12/17/82 - SPLIT PF STATEMENTS INTO MULTIPLE LINES TO AVOID  
POSSIBLE PROBLEMS AFTER PARAMETER SUBSTITUTION

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,PHC,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'PLC'

PURPOSE

PURGE LOW CYCLE WHILE RETAINING HIGH CYCLE

FUNCTIONAL CATEGORIES: Q4

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,PLC,,PFN,ID,PW1,PW2,PW3,PW4,PW5,SN,UV.

DESCRIPTION OF PARAMETERS

PFN - PERMANENT FILE NAME

ID - ID

PW1-PW5 - PASSWORDS

SN - SETNAME (DEFAULT: SYSSET)

UV - UNIVERSAL PASSWORD (FOR USER DEVICE SETS)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 15000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 01/27/80

DATE(S) REVISED

02/24/81 - ADD SN AND UV PARAMETERS

12/17/82 - SPLIT PF STATEMENTS INTO MULTIPLE LINES TO AVOID  
POSSIBLE PROBLEMS AFTER PARAMETER SUBSTITUTION

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,PLC,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'PM'**

**PURPOSE**

CREATE CERTAIN PRINT MESSAGE (PM) RECORDS

**FUNCTIONAL CATEGORIES: J4**

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,PM,,FC,OUTPUT,PM1,PM2,PM3,PM4,PM5,PM6.

**DESCRIPTION OF PARAMETERS**

FC - FORMS CODE

OMITTED - PM RESTORE PRINTER

1T - PM 1-PART NARROW UNLINED PAPER

'OTHER' - PM PM1 PM2 PM3 PM4 PM5 PM6

(USER MAY CREATE A MESSAGE OF UP TO  
6 WORDS (30 CHARACTERS MAX))

OUTPUT - LISTABLE OUTPUT

PM1-PM6 - UP TO 6 WORDS FOR USER-SPECIFIED PM MESSAGE  
(USED ONLY WHEN FC=OTHER)

**DEFAULT BEGIN STATEMENT**

BEGIN,PM,,,OUTPUT.

**MAX FL: 6000B**

**REMARKS**

BE SURE 'BEGIN,PM,,,OUTPUT.' HAS BEEN EXECUTED TO RESTORE  
PRINTER BEFORE ROUTING OUTPUT TO BE PRINTED.

PM MESSAGES ARE IGNORED AT CENTRAL SITE. USE FC= ON ROUTE  
COMMAND.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

**DATE WRITTEN: 07/30/76**

**DATE(S) REVISED**

11/19/76 - ADD 'OTHER' OPTION

03/01/78 - CONVERT TO CCL

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,PM,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'PROADD'

PURPOSE

ADD ONE PROCEDURE TO A SEQUENTIAL PROCEDURE FILE

FUNCTIONAL CATEGORIES: Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN, PROADD, , ID, NEW, AC, PW1, PW2, PW3, PW4, PW5.

DESCRIPTION OF PARAMETERS

ID - ID UNDER WHICH PROCEDURE FILE IS CATALOGED  
(PFN IS 'PROCFILS')  
NEW - FILE CONTAINING NEW NAMED PROCEDURE  
(MAY NOT BE FILE 'INPUT')  
AC - AC FOR CATALOG (MAY BE OMITTED)  
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 36000B

REMARKS

PROCEDURE FILE IS A SEQUENTIAL FILE OF NAMED PROCEDURES  
ARRANGED IN ALPHABETICAL ORDER. EACH PROCEDURE CONSISTS OF  
ONE AND ONLY ONE SYSTEM LOGICAL RECORD.

ALL EMPTY RECORDS ARE REMOVED.

THE LOWEST CYCLE IS PURGED, IF POSSIBLE. AT LEAST 2  
CYCLES ARE ALWAYS RETAINED.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/28/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL; INCREASE TO 5 PASSWORDS

ANOTHER COPY OF THIS DOCUMENT

BEGIN, DOCGET, , PROCFIL, , PROADD, OUTPUT, MSACCES=<PASSWORD>.

PROCEDURE 'PROALL'

**PURPOSE**

LIST PROCEDURE NAMES, PROCEDURE HEADERS AND THE PROCEDURES  
IN A SEQUENTIAL PROCEDURE FILE (COMBINES PRONAM, PROHDR  
AND PROLIST)

FUNCTIONAL CATEGORIES: 01

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,PROALL,,ID,OUTPUT,LEFT,PW1,PW2,PW3,PW4,PW5.

**DESCRIPTION OF PARAMETERS**

ID - ID UNDER WHICH THE PROCEDURE FILE IS CATALOGED  
(PFN IS 'PROCFILS')  
OUTPUT - LISTABLE OUTPUT  
LEFT - OMITTED - PRINT LEFT-JUSTIFIED ON PAGE  
NON-BLANK - PRINT CENTERED ON WIDE PAGE  
PW1-PW5 - PASSWORDS

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: 36000B

**REMARKS**

A BANNER PAGE PRECEDES THE LIST AND CONTAINS THE WORD  
'PROCFILS' AND THE SPECIFIED ID. A BANNER PAGE WITH THE  
WORD 'END' FOLLOWS THE LIST.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 06/02/76

**DATE(S) REVISED**

02/10/77 - ADD PARAMETER 'LEFT'  
03/01/78 - CONVERT TO CCL; ADD 5 PASSWORDS

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,PROALL,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'PRODELE'

PURPOSE

DELETE ONE PROCEDURE FROM A SEQUENTIAL PROCEDURE FILE

FUNCTIONAL CATEGORIES: Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN, PRODELE, , ID, PROCED, AC, PW1, PW2, PW3, PW4, PW5.

DESCRIPTION OF PARAMETERS

ID - ID UNDER WHICH PROCEDURE FILE IS CATALOGED  
(PFN IS 'PROCFILS')

PROCED - PROCEDURE TO BE DELETED

AC - AC FOR CATALOG (MAY BE OMITTED)

PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 36000B

REMARKS

PROCEDURE FILE IS A SEQUENTIAL FILE OF NAMED PROCEDURES ARRANGED IN ALPHABETICAL ORDER. EACH PROCEDURE CONSISTS OF ONE AND ONLY ONE SYSTEM LOGICAL RECORD.

ALL EMPTY RECORDS ARE REMOVED.

THE LOWEST CYCLE IS PURGED, IF POSSIBLE. AT LEAST 2 CYCLES ARE ALWAYS RETAINED.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/28/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL; INCREASE TO 5 PASSWORDS

ANOTHER COPY OF THIS DOCUMENT

BEGIN, DOCGET, , PROCFIL, , PRODELE, OUTPUT, MSACCES=<PASSWORD>.

PROCEDURE 'PRODOC'

**PURPOSE**

LIST DOCUMENTATION FOR PROCEDURES PROADD, PROALL, PRODELE,  
PRODOC, PROGET, PROHDR, PROLIST, PRONAM, PROREPL, PROS2R

FUNCTIONAL CATEGORIES: 01

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,PRODOC,,OUTPUT,LEFT.

**DESCRIPTION OF PARAMETERS**

OUTPUT - LISTABLE OUTPUT

LEFT - OMITTED - PRINT LEFT-JUSTIFIED ON PAGE  
NON-BLANK - PRINT CENTERED ON WIDE PAGE

**DEFAULT BEGIN STATEMENT**

BEGIN,PRODOC,,OUTPUT.

MAX FL: 25000B

**REMARKS**

A BANNER PAGE PRECEDES THE LIST AND CONTAINS THE WORD  
'PRODOC'. A BANNER PAGE WITH THE WORD 'END' FOLLOWS THE  
LIST.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 06/02/76

**DATE(S) REVISED**

02/10/77 - ADD PARAMETER 'LEFT'

03/01/78 - CONVERT TO CCL; ADD PROS2R DOCUMENT

05/17/83 - USE PROGRAM GETDOC INSTEAD OF MANYDOC

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,PRODOC,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'PROGET'**

**PURPOSE**

GET (EXTRACT) ONE PROCEDURE FROM A SEQUENTIAL PROCEDURE FILE

**FUNCTIONAL CATEGORIES: Q7**

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,PROGET,,ID,PROCED,LFN,PW1,PW2,PW3,PW4,PW5.

**DESCRIPTION OF PARAMETERS**

ID - ID UNDER WHICH PROCEDURE FILE IS CATALOGED  
(PFN IS 'PROCFILS')

PROCED - NAME OF DESIRED PROCEDURE

LFN - NAME OF FILE TO CONTAIN 'PROCED'

PW1-PW5 - PASSWORDS

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

**MAX FL: 36000B**

**REMARKS**

PROCEDURE FILE IS A SEQUENTIAL FILE OF NAMED PROCEDURES  
ARRANGED IN ALPHABETICAL ORDER. EACH PROCEDURE CONSISTS OF  
ONE AND ONLY ONE SYSTEM LOGICAL RECORD.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

**DATE WRITTEN: 05/28/76**

**DATE(S) REVISED**

02/04/77 - ADD PW1 AND PW2

03/01/78 - CONVERT TO CCL; INCREASE TO 5 PASSWORDS

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,PROGET,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'PROGRAM'

PURPOSE

EXECUTE A CATALOGED PROGRAM (NOT IN A LIBRARY)

FUNCTIONAL CATEGORIES: LO Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN, PROGRAM, , PFN, ID, PARAMS.

DESCRIPTION OF PARAMETERS

PFN - PERMANENT FILE NAME OF THE PROGRAM

ID - ID UNDER WHICH IT IS CATALOGED  
(DEFAULT: SYSTEM PUBLIC-ACCESS ID)

PARAMS - UP TO 18 PARAMETERS FOR THE PROGRAM  
(KEYWORD PARAMETERS MUST BE \$-DELIMITED, E.G.,  
\$OPT=L\$.)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS UPON PROGRAM BEING EXECUTED

REMARKS

<PFN> IS ATTACHED WITH LFN 'YYYPORG' AND IS RETURNED AT THE  
END OF THE PROCEDURE.

SEE ALSO PROCEDURE 'ANYLIB'.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 09/14/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN, DOCGET, , PROCFIL, , PROGRAM, OUTPUT, MSACCES=<PASSWORD>.

PROCEDURE 'PROHDR'

PURPOSE

LIST PROCEDURE HEADERS IN A PROCEDURE FILE

FUNCTIONAL CATEGORIES: Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,PROHDR,,ID,OUTPUT,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

ID - ID UNDER WHICH PROCEDURE FILE IS CATALOGED  
(PFN IS 'PROCFILS')

OUTPUT - LISTABLE OUTPUT

PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 36000B

REMARKS

PROCEDURE FILE IS A SEQUENTIAL FILE OF NAMED PROCEDURES  
ARRANGED IN ALPHABETICAL ORDER. EACH PROCEDURE CONSISTS OF  
ONE AND ONLY ONE SYSTEM LOGICAL RECORD.

ALL EMPTY RECORDS ARE FLAGGED IN THE LIST.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/28/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL; ADD 5 PASSWORDS

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,PROHDR,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'PROLIST'

**PURPOSE**

LIST PROCEDURE(S) IN A SEQUENTIAL PROCEDURE FILE

FUNCTIONAL CATEGORIES: 01

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,PROLIST,,ID,OUTPUT,PROCED,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

ID - ID UNDER WHICH PROCEDURE FILE IS CATALOGED  
(PFN IS 'PROCFILS')

OUTPUT - LISTABLE OUTPUT

PROCED - NAME OF PROCEDURE TO BE LISTED  
(IF OMITTED OR 'ALL', ALL PROCEDURES ARE LISTED)

PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 36000B

REMARKS

PROCEDURE FILE IS A SEQUENTIAL FILE OF NAMED PROCEDURES  
ARRANGED IN ALPHABETICAL ORDER. EACH PROCEDURE CONSISTS OF  
ONE AND ONLY ONE SYSTEM LOGICAL RECORD.

ALL EMPTY RECORDS ARE FLAGGED IN THE LIST.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/28/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL; ADD 5 PASSWORDS

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,PROLIST,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'PRONAM'

**PURPOSE**

LIST NAMES OF PROCEDURES IN A SEQUENTIAL PROCEDURE FILE

FUNCTIONAL CATEGORIES: Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,PRONAM,,ID,OUTPUT,FULL,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

ID - ID UNDER WHICH PROCEDURE FILE IS CATALOGED  
(PFN IS 'PROCFILS')

OUTPUT - LISTABLE OUTPUT

FULL - IF OMITTED, A FULL LIST WITH HEADINGS IS PRINTED.  
IF ANYTHING IS SPECIFIED, A QUICK, SINGLE-COLUMN  
LIST, WITHOUT HEADINGS, IS PROVIDED. THIS MAY BE  
MORE USEFUL AT AN INTERACTIVE TERMINAL.

PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 36000B

REMARKS

PROCEDURE FILE IS A SEQUENTIAL FILE OF NAMED PROCEDURES  
ARRANGED IN ALPHABETICAL ORDER. EACH PROCEDURE CONSISTS OF  
ONE AND ONLY ONE SYSTEM LOGICAL RECORD.

ALL EMPTY RECORDS ARE FLAGGED IN THE LIST.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/28/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL; ADD 5 PASSWORDS

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,PRONAM,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'PROREPL'

**PURPOSE**

REPLACE ONE PROCEDURE IN A SEQUENTIAL PROCEDURE FILE

FUNCTIONAL CATEGORIES: Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,PROREPL,,ID,NEW,AC,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

ID	- ID UNDER WHICH PROCEDURE FILE IS CATALOGED (PFN IS 'PROCFILS')
NEW	- FILE CONTAINING NEW NAMED PROCEDURE (MAY NOT BE FILE 'INPUT')
AC	- AC FOR CATALOG (MAY BE OMITTED)
PW1-PW5	- PASSWORDS

DEFAULT BEGIN STATEMENT  
NO MEANINGFUL DEFAULT VALUES

MAX FL: 36000B

**REMARKS**

PROCEDURE FILE IS A SEQUENTIAL FILE OF NAMED PROCEDURES ARRANGED IN ALPHABETICAL ORDER. EACH PROCEDURE CONSISTS OF ONE AND ONLY ONE SYSTEM LOGICAL RECORD.

ALL EMPTY RECORDS ARE REMOVED.

THE LOWEST CYCLE IS PURGED, IF POSSIBLE. AT LEAST 2 CYCLES ARE ALWAYS RETAINED.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/28/76

**DATE(S) REVISED**

03/01/78 - CONVERT TO CCL; INCREASE TO 5 PASSWORDS  
12/17/82 - SPLIT PF STATEMENTS INTO MULTIPLE LINES TO AVOID POSSIBLE PROBLEMS AFTER PARAMETER SUBSTITUTION

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,PROREPL,OUTPUT,MSACCES-<PASSWORD>.

PROCEDURE 'PROS2R'

PURPOSE

CONVERT SEQUENTIAL PROCEDURE FILE TO RANDOM EDITLIB USER LIBRARY

FUNCTIONAL CATEGORIES: K3 Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN, PROS2R, , IDS, IDR, AC, PW1, PW2, PW3, PW4, PW5.

DESCRIPTION OF PARAMETERS

IDS - ID UNDER WHICH SEQUENTIAL FILE 'PROCFILS' IS CATALOGED  
IDR - ID UNDER WHICH RANDOM FILE 'PROCFIL' IS TO BE CATALOGED  
AC - JOB ORDER NUMBER FOR CATALOG (MAY BE OMITTED)  
PW1-PW5 - PASSWORDS FOR RANDOM FILE (WILL HAVE EFFECT ONLY IF AT LEAST ONE CYCLE OF RANDOM FILE 'PROCFIL' EXISTS BEFORE PROS2R IS EXECUTED)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL:

REMARKS

PFN OF SEQUENTIAL FILE MUST BE 'PROCFILS'.

PFN OF RANDOM FILE WILL BE 'PROCFIL'.

LOWEST CYCLE OF 'PROCFIL' WILL BE PURGED, IF POSSIBLE.

AT LEAST 2 CYCLES WILL ALWAYS BE RETAINED.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/27/78

DATE(S) REVISED

12/17/82 - SPLIT PF STATEMENTS INTO MULTIPLE LINES TO AVOID POSSIBLE PROBLEMS AFTER PARAMETER SUBSTITUTION

ANOTHER COPY OF THIS DOCUMENT

BEGIN, DOCGET, , PROCFIL, , PROS2R, OUTPUT, MSACCES=<PASSWORD>.

PROCEDURE 'PURGALL'

PURPOSE

PURGE PERMANENT FILES OF SPECIFIED AC AND ID (PUBLIC FILES  
OR ON A USER DEVICE SET)

FUNCTIONAL CATEGORIES: Q4

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE  
SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN, PURGALL,, JOBORDER, ID, OUTPUT, PW1, PW2, PW3, PW4, PW5, SN.

DESCRIPTION OF PARAMETERS

JOBORDER - JOB ORDER NUMBER (MUST BE SPECIFIED)  
ID - ID OF FILES TO BE PURGED (MUST BE SPECIFIED)  
OUTPUT - LISTABLE OUTPUT  
PW1-PW5 - UP TO 5 PASSWORDS FOR ALL FILES TO BE PURGED  
(ONLY TK, RD AND CN PASSWORDS ARE REQUIRED)  
SN - SETNAME. ONE OF:  
OMITTED - PUBLIC PERMANENT FILES  
OTHER - SETNAME OF A USER DEVICE SET

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 35000B

REMARKS

- 1) PROCEDURE WILL AUDIT SPECIFIED ID AND JOBORDER. ALL THESE FILES WILL BE PURGED.
- 2) INVALID TK, RD, CN PASSWORDS WILL ABORT THE PROCEDURE.
- 3) CHARGE ID OR ACCESS NUMBER MUST CORRESPOND TO ID AND AC BEING PURGED.
- 4) THE USER MUST SUPPLY THE MOUNT CARD WHEN PURGING ON A USER DEVICE SET.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2  
SHARON GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: 03/15/79

DATE(S) REVISED

06/16/80 - ADD SN PARAMETER  
06/01/82 - UPGRADE FOR LEVEL 508  
- UPGRADE FOR PERMANENT FILE MULTI-DIRECTORIES  
09/14/82 - IMPROVE SN PROCESSING

ANOTHER COPY OF THIS DOCUMENT

BEGIN, DOCGET,, PROCFIL,, PURGALL, OUTPUT, MSACCES=<PASSWORD>.

PROCEDURE 'PURGEN'

PURPOSE

GENERATE PROCEDURE 'PUR' TO PURGE SEVERAL FILES WITH COMMON KERNEL

FUNCTIONAL CATEGORIES: Q4

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN, PURGEN, , KERNEL, ID, PW1, PW2, PW3, PW4, PW5, UV, SN.

DESCRIPTION OF PARAMETERS

KERNEL - FIRST N CHARACTERS OF PERM FILE NAME  
(COULD BE EMPTY)

ID - ID OF FILES TO BE PURGED

PW1-PW5 - UP TO 5 PASSWORDS FOR ALL FILES TO BE PURGED  
(ONLY TK AND CN PASSWORDS ARE REQUIRED)

UV - UNIVERSAL PURGE PASSWORD IF REQUIRED

SN - SETNAME (ONLY IF OTHER THAN SYSSET)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT

MAX FL: 35000B

REMARKS

1) GENERATES PROCEDURE PUR TO BE USED FOR PURGING SEVERAL FILES OF SAME ID AND PASSWORDS. ALLOWS COMMON KERNEL FOR START OF PERM FILE NAMES. WILL ATTEMPT TO EXECUTE 'PUR' ONCE TO PURGE THE KERNEL FILE NAME, LOWEST CYCLE.

2) USAGE TO PURGE ADDITIONAL FILES:

PUR,<PART>..

EXAMPLE

DESIRE TO PURGE A SET OF FILES INCLUDING: CARRIERDATA1, CARRIERDATA2, CARRIERPL, CARRIEROBJ, CARRIERSOR, BELONGING TO USER 'CZZZ' WITH PASSWORD 'FIR' OR 'SEC' OR NO PASSWORD.

- 1) BEGIN,PURGEN,,CARRIER,CZZZ,FIR,SEC.  
WILL ATTEMPT TO PURGE THE KERNEL FILE NAMED CARRIER.
- 2) PUR,DATA1.  
PUR,DATA2.  
PUR,PL.  
PUR,OBJ.  
PUR,SOR. TO PURGE THE ACTUAL FILES

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: 09/12/80

DATE(S) REVISED

02/10/81 - ADD UV, SN PARAMETERS

09/14/82 - UPGRADE FOR PERMANENT FILE MULTI-DIRECTORIES

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,PURGEN,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'PURPOSE'

PURPOSE

DRIVER TO EXTRACT PURPOSES FROM A DOCUMENT FILE

FUNCTIONAL CATEGORIES: SO 01

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

EXECUTE STATEMENT

PURPOSE,OUTPUT,LIB, ID,UN,LO.

DESCRIPTION OF PARAMETERS

OUTPUT - LISTABLE OUTPUT

LIB - NAME OF LIBRARY TO BE EXTRACTED  
(E.G., UTILITY, NSRDC5)  
(IF PF, FULL PFN IS <LIB>\_DOCUMENTATION;  
IF ON MSS, MFN=<LIB>)

ID - ID UNDER WHICH LIB IS CATALOGED  
(DEFAULT: PUBLIC-ACCESS ID)

UN - UN UNDER WHICH MSS FILE IS STORED  
(DEFAULT: UN=DOCU)

LO - LIST OPTION  
L - LEFT-JUSTIFIED ON PAPER  
OTHER - CENTERED ON WIDE PAPER  
(DEFAULT: LO=L)

DEFAULT EXECUTE STATEMENT

PURPOSE,OUTPUT,,DOCU,L.

MAX FL: 27000B

REMARKS

NONE

ERROR MESSAGES (FROM PROGRAM PURPOS)

NO DECKS FOUND

FILE CONTAINED NO \*DECK'S.

NO PURPOSES FOUND

FILE HAS NO PURPOSES. IT IS PROBABLY NOT A DOCUMENT  
FILE.

**EXAMPLES**

- 1) GET PURPOSES FOR PUBLIC-ACCESS PROCEDURE FILE:  
BEGIN,PURPOSE,,OUT,PROCFIL.  
ROUTE,OUT,DC=PR,....
- 2) GET PURPOSES FOR MY PROGRAM LIBRARY MYLIB:  
BEGIN,PURPOSE,,OUT,MYLIB,MYID.  
ROUTE,OUT,DC=PR,....
- 3) GET PURPOSES, CENTERED, FOR MY SUBPROGRAM LIBRARY ON MSS  
(MFN=SUBLIBD):  
BEGIN,PURPOSE,,OUT,SUBLIBD,,MYID,C.  
ROUTE,OUT,DC=PR,....

**AUTHOR**

DAVID V. SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 12/20/83

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,PURPOSE,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'PUTMS'**

**PURPOSE**

TRANSFER ONE CDC PERMANENT FILE (OF EXECUTING USER) TO THE  
MASS STORAGE SYSTEM

**FUNCTIONAL CATEGORIES: K1 Q0**

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE FOR MSS

**COMPUTERS (OPERATING SYSTEMS)**

CDC 6000/CYBER 170 (NOS/BE)

**USAGE**

BEGIN,PUTMS,MSS,PFN, ID, MFN, NA, CT, M, PW, AC, PW1, PW2.

**DESCRIPTION OF PARAMETERS**

PFN	- CDC PERMANENT FILE NAME
ID	- ID FOR ATTACH ON CDC
MFN	- MASS STORAGE SYSTEM FILE NAME
NA	- OVERWRITE FOR MSSTORE
CT	- CATEGORY TYPE FOR MSSTORE
M	- PERMISSION FOR MSSTORE
PW	- PERMISSION FOR MSSTORE
AC	- AC FOR MSSTORE
PW1-PW2	- PASSWORDS FOR CDC ATTACH (ONLY TK, RD PASSWORDS REQUIRED)

**DEFAULT BEGIN STATEMENT**

BEGIN,PUTMS,MSS,\*,\*,\*,0,P,R,0,PW1,PW2.

**MAX FL: 20000B**

**REMARKS**

THE CDC FILE WILL NOT BE PURGED.

SEE ALSO PROCEDURES 'C2M', 'C2MALL'; 'GETMS', 'M2C',  
'M2CALL'.

**ERROR MESSAGES**

PUTMS REQUIRES PFN PARAMETER  
SELF-EXPLANATORY

PUTMS REQUIRES ID PARAMETER FOR ATTACH  
SELF-EXPLANATORY

PUTMS REQUIRES MFN PARAMETER  
SELF-EXPLANATORY

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 01/13/82

DATE(S) REVISED

12/17/82 - SPLIT PF STATEMENTS INTO MULTIPLE LINES TO AVOID  
POSSIBLE PROBLEMS AFTER PARAMETER SUBSTITUTION

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,PUTMS,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'RECADD1'

PURPOSE

ADD ONE OR MORE LOGICAL RECORDS TO A FILE

FUNCTIONAL CATEGORIES: K1

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,RECADD1,,AFTER,NREC,NEW,PFN, ID,AC,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

AFTER - RECORD NUMBER AFTER WHICH THE NEW RECORD(S) ARE TO  
BE ADDED  
NREC - NUMBER OF NEW LOGICAL RECORDS TO BE ADDED  
(DEFAULT: 1)  
NEW - LFN OF FILE CONTAINING NEW RECORD(S)  
PFN - PERMANENT FILE NAME  
ID - ID UNDER WHICH FILE IS CATALOGED  
AC - JOB ORDER NUMBER FOR NEW CATALOG  
(MAY BE OMITTED)  
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 20000B

REMARKS

REPLACES PROCEDURE RECADD.

THE LOWEST CYCLE OF FILE IS PURGED, IF POSSIBLE. AT LEAST 2  
CYCLES ARE ALWAYS RETAINED.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 04/28/78

DATE(S) REVISED

12/17/82 - SPLIT PF STATEMENTS INTO MULTIPLE LINES TO AVOID  
POSSIBLE PROBLEMS AFTER PARAMETER SUBSTITUTION

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,RECADD1,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'RECDEL1'

**PURPOSE**

DELETE ONE OR MORE LOGICAL RECORDS FROM A FILE

FUNCTIONAL CATEGORIES: K1

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,RECDEL1,,REC,NREC,PFN, ID,AC,PW1,PW2,PW3,PW4,PW5.

**DESCRIPTION OF PARAMETERS**

REC	- RECORD NUMBER OF FIRST/ONLY LOGICAL RECORD TO BE DELETED
NREC	- NUMBER OF LOGICAL RECORDS TO BE DELETED (DEFAULT: 1)
PFN	- PERMANENT FILE NAME
ID	- ID UNDER WHICH FILE IS CATALOGED
AC	- JOB ORDER NUMBER FOR NEW CATALOG (MAY BE OMITTED)
PW1-PW5	- PASSWORDS

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: 20000B

**REMARKS**

REPLACES PROCEDURE RECDEL.

THE LOWEST CYCLE OF FILE IS PURGED, IF POSSIBLE. AT LEAST 2 CYCLES ARE ALWAYS RETAINED.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 04/28/78

**DATE(S) REVISED**

12/17/82 - SPLIT PF STATEMENTS INTO MULTIPLE LINES TO AVOID POSSIBLE PROBLEMS AFTER PARAMETER SUBSTITUTION

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,RECDEL1,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'RECDOC'**

**PURPOSE**

LIST DOCUMENTATION FOR PROCEDURES RECADD1, RECDLL1, RECDOC,  
RECGET1, RECREP1

FUNCTIONAL CATEGORIES: 01

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,RECDOC,,OUTPUT,LEFT.

**DESCRIPTION OF PARAMETERS**

OUTPUT - LISTABLE OUTPUT

LEFT - OMITTED - PRINT LEFT-JUSTIFIED ON PAGE  
NON-BLANK - PRINT CENTERED ON WIDE PAGE

**DEFAULT BEGIN STATEMENT**

BEGIN,RECDOC,,OUTPUT.

MAX FL: 25000B

**REMARKS**

A BANNER PAGE PRECEDES THE LIST AND CONTAINS THE WORD  
'RECDOC'. A BANNER PAGE WITH THE WORD 'END' FOLLOWS THE  
LIST.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/10/77

**DATE(S) REVISED**

03/01/78 - CONVERT TO CCL

05/17/83 - USE PROGRAM GETDOC INSTEAD OF MANYDOC

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,RECDOC,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'RECGET1'

**PURPOSE**

EXTRACT ONE OR MORE LOGICAL RECORDS FROM A FILE

FUNCTIONAL CATEGORIES: K1

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,RECGET1,,REC,NREC,PFN, ID,PW1,PW2,PW3,PW4,PW5.

**DESCRIPTION OF PARAMETERS**

REC - RECORD NUMBER OF FIRST/ONLY LOGICAL RECORD TO BE EXTRACTED  
NREC - NUMBER OF LOGICAL RECORDS TO BE EXTRACTED (DEFAULT: 1)  
PFN - PERMANENT FILE NAME  
ID - ID UNDER WHICH FILE IS CATALOGED  
PW1-PW5 - PASSWORDS

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: 20000B

**REMARKS**

REPLACES PROCEDURE RECGET.

THE EXTRACTED RECORD(S) WILL BE ON A FILE WITH LFN OF R FOLLOWED BY THE VALUE OF REC (E.G., BEGIN,RECGET,,8,...). WILL CREATE FILE R8. THIS FILE MAY BE CATALOGED. IT IS NOT REWOUND AT THE END OF THE PROCEDURE.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 04/28/78

**DATE(S) REVISED**

12/17/82 - SPLIT PF STATEMENTS INTO MULTIPLE LINES TO AVOID POSSIBLE PROBLEMS AFTER PARAMETER SUBSTITUTION

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,RECGET1,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'RECREP1'

PURPOSE

REPLACE ONE OR MORE LOGICAL RECORDS IN A FILE

FUNCTIONAL CATEGORIES: K1

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,RECREP1,,REC,NREC,NEW,PFN, ID,AC,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

REC	- RECORD NUMBER OF FIRST/ONLY LOGICAL RECORD TO BE REPLACED
NREC	- NUMBER OF LOGICAL RECORDS TO BE REPLACED (DEFAULT: 1)
NEW	- LFN OF FILE CONTAINING NEW RECORD(S)
PFN	- PERMANENT FILE NAME
ID	- ID UNDER WHICH FILE IS CATALOGED
AC	- JOB ORDER NUMBER FOR NEW CATALOG (MAY BE OMITTED)
PW1-PW5	- PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 20000B

REMARKS

REPLACES PROCEDURE RECREPL.

THE LOWEST CYCLE OF FILE IS PURGED, IF POSSIBLE. AT LEAST 2  
CYCLES ARE ALWAYS RETAINED.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 04/28/78

DATE(S) REVISED

12/17/82 - SPLIT PF STATEMENTS INTO MULTIPLE LINES TO AVOID  
POSSIBLE PROBLEMS AFTER PARAMETER SUBSTITUTION

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,RECREP1,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'RENAMAC'

PURPOSE

RENAME AC FIELD ON PERMANENT FILES OR MASS STORE FILES

FUNCTIONAL CATEGORIES: Q4

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

SYSTEM PUBLIC-ACCESS INTERACTIVE PROCEDURE FILE

USAGE (FOR PERMANENT FILES)

BEGIN,RENAMAC,,OLD,NEW, ID,L,PW1,PW2,PW3,PW4,PW5,SN.

BEGIN,RENAMAC,I,<PARAMS> <-- FOR INTERACTIVE VERSION

BEGIN,RENAMAC,I,? <-- FOR INTERACTIVE PROCESSING

DESCRIPTION OF PARAMETERS (FOR PERMANENT FILES)

OLD - OLD AC (REQUIRED)

NEW - NEW AC (REQUIRED)

ID - ID OF FILES TO BE RENAMED (REQUIRED)

L - LISTABLE OUTPUT (DEFAULT: L=OUTPUT)

PW1-PW5 - UP TO 5 PASSWORDS FOR ALL FILES TO BE RENAMED  
(ONLY TK, RD AND CN PASSWORDS ARE REQUIRED)

SN - SETNAME (DEFAULT: DETERMINED BY ID)

USAGE (FOR MASS STORE FILES)

BEGIN,RENAMAC,,OLD,NEW,MSS,,PW1.

BEGIN,RENAMAC? <-- FOR INTERACTIVE PROCESSING

DESCRIPTION OF PARAMETERS (FOR MASS STORE FILES)

OLD - OLD AC (OPTIONAL)  
(IF OMITTED, ALL FILES ARE RENAMED)

NEW - NEW AC (REQUIRED)

MSS - REQUIRED TO INDICATE THAT MASS STORE FILES ARE TO  
BE RENAMED

PW1 - MSACCES PASSWORD, IF NOT ALREADY SPECIFIED IN THE  
CURRENT JOB OR SESSION

DEFAULT BEGIN STATEMENT

PERMANENT FILE RENAME, BUT NO MEANINGFUL DEFAULT VALUES

MAX FL: 35000B

REMARKS

PERMANENT FILE RENAME

- 1) PROCEDURE WILL AUDIT SPECIFIED ID AND OLD AC. ALL THESE FILES WILL BE RENAMED.
- 2) MOST PF ATTACH AND RENAME ERRORS WILL NOT BE FATAL. INVALID TK, RD PASSWORDS WILL ABORT THE PROCEDURE.
- 3) UTILITY PROGRAM 'PFNEWAC' DOES THE ACTUAL ATTACH AND RENAME.

MASS STORE FILE RENAME

- 1) PROCEDURE WILL DO A FULL MSAUDIT OF YOUR FILES. IF OLD AC IS SPECIFIED, ONLY FILES WITH THIS AC ARE RENAMED. IF OLD AC IS OMITTED, ALL FILES ARE RENAMED.
- 2) THERE IS NO LISTABLE OUTPUT. ALL MESSAGES ARE PUT INTO THE DAYFILE.
- 3) UTILITY PROGRAM 'MSNEWAC' READS THE MSAUDIT AND CREATES A PROCEDURE TO MSCHANG THE FILES. THIS PROCEDURE IS EXECUTED AUTOMATICALLY.

DAYFILE MESSAGES

MSS RENAME AC

-----  
IDENTIFIES THAT MASS STORE FILES ARE BEING RENAMED.

NO FILES RENAMED.

THERE WERE NO FILES IN THE MSAUDIT OR NONE MATCHED THE OLD AC.

OLD AND NEW JOB ORDER NUMBERS ARE  
THE SAME ---- NO RENAME NECESSARY

SELF-EXPLANATORY. SORRY, YOU CAN'T USE THIS PROCEDURE  
TO ATTACH ALL YOUR FILES!

PF RENAME AC

-----  
IDENTIFIES THAT PERMANENT FILES ARE BEING RENAMED.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 06/01/75

DATE(S) REVISED

04/18/77 - MODIFY FOR NOS/BE SHORT AUDIT  
09/30/77 - ADD TYPE PARAMETER  
03/01/78 - CONVERT TO CCL  
10/01/78 - NEW AUDIT FORMAT; DEACTIVATE ID PARAMETER  
11/02/78 - REACTIVATE ID PARAMETER  
? - REMOVE TYPE PARAMETER  
08/28/80 - TERMINATE PROCEDURE IF OLD AND NEW ARE THE SAME  
02/24/81 - ADD SN PARAMETER  
04/12/82 - MODIFY SN PARAMETER FOR MULTI-DIRECTORY  
09/14/82 - ADD SUPPORT FOR MSS FILES  
09/16/82 - CHANGE PARAMETER 'OUTPUT' TO 'L=OUTPUT'  
- CHANGE CALL TO PROGRAM PFNEWAC TO FTN5 VERSION  
11/05/82 - FIX MSACCESS PROCESSING  
02/14/83 - BECAUSE EXECUTE CARDS CANNOT BE CONTINUED,  
SUPPORT PROGRAM PFNEWAC WAS MODIFIED TO ACCEPT  
PASSWORDS FROM A DATA FILE (WHICH IS BUILT INTO  
THE PROCEDURE). NO CHANGE TO EXECUTION OF THIS  
PROCEDURE.  
04/25/84 - MAKE INTERACTIVE  
08/30/84 - PUT INTERACTIVE VERSION INTO INTEACTIVE FILE  
- PUT NON-INTERACTIVE VERSION INTO REGULAR FILE

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,RENAMAC,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'RENAMID'

PURPOSE

RENAME ID ON ALL OF ONE USER'S PERMANENT FILES (BY COPYING  
THE FILES)

FUNCTIONAL CATEGORIES: Q4

COMPUTERS (OPERATING SYSTEMS)

CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

SYSTEM PUBLIC-ACCESS INTERACTIVE PROCEDURE FILE

USAGE

BEGIN,RENAMID,,OLDID,NEWID,PW1,PW2,PW3,PW4,PW5,XR,AC.  
BEGIN,RENAMID,I,<PARAMS>            <-- FOR INTERACTIVE VERSION  
BEGIN,RENAMID,I,?                    <-- FOR INTERACTIVE PROCESSING

DESCRIPTION OF PARAMETERS

OLDID - OLD ID TO BE RENAMED  
NEWID - NEW ID FOR RENAMING  
PW1-PW5 - PASSWORDS FOR ATTACHING EACH FILE  
(ONLY CN, RD AND TK REQUIRED)  
XR - OPTIONAL XR PASSWORD TO BE PUT ONTO ALL FILES  
AC - OPTIONAL AC TO BE USED FOR ALL FILES

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 30000B

REMARKS

SINCE THE PUBLIC PERMANENT FILE SYSTEM WAS SPLIT ONTO TWO  
SETNAMES, IT IS NOT POSSIBLE TO RENAME FILES USING A SIMPLE  
RENAME STATEMENT. INSTEAD, EACH FILE MUST BE COPIED AND  
CATALOGED, AND THE ORIGINAL FILE PURGED.

THIS PROCEDURE WILL DO A SHORT AUDIT (AI=S) AND USE THAT AS  
INPUT TO PROGRAM RENMID, WHICH WILL CREATE A PROCEDURE TO  
ATTACH EACH FILE LISTED IN THE AUDIT, COPY AND CATALOG IT,  
AND PURGE THE ORIGINAL FILE. THE ONLY RECORD OF THIS IS THE  
DAYFILE.

TO RENAME THE ID ON A SINGLE FILE, USE PROCEDURE 'NEWID'.

ERROR MESSAGES

AC IGNORED - MUST BE 10 CHARACTERS  
AC WAS THE WRONG LENGTH AND IS IGNORED

OLDID AND NEWID ARE THE SAME  
NO RENAME NEEDED  
SELF-EXPLANATORY

EXAMPLES

1) CHANGE URID'S FILES TO MYID. THERE IS ONLY ONE PASSWORD  
ON THE FILES AND ALL ARE TO RECEIVE AN XR PASSWORD OF  
MYXR:

BEGIN,RENAMID,,URID,MYID,XR=MYXR.

2) CHANGE URID'S FILES TO MYID. THERE ARE FIVE POSSIBLE  
PASSWORDS ON THE FILES. ALL ARE TO RECEIVE AN XR  
PASSWORD OF MYXR AND AN AC OF 1234567890.

BEGIN,RENAMID,,URID,MYID,URXR,URTK,URXR1,UIRXR3,PWX,  
MYXR,1234567890.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/23/82

DATE(S) REVISED

11/05/82 - UPGRADE TO LEVEL 552  
04/26/84 - MAKE INTERACTIVE  
08/30/84 - PUT INTERACTIVE VERSION INTO INTEACTIVE FILE  
- PUT NON-INTERACTIVE VERSION INTO REGULAR FILE

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,RENAMID,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'RUNBAS'

**PURPOSE**

COMPILE AND EXECUTE BASIC PROGRAM (SIMILAR TO EDITOR RUN,BAS  
FOR USE OUTSIDE OF EDITOR)

FUNCTIONAL CATEGORIES: L2

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,RUNBAS,,F,OUT.

**DESCRIPTION OF PARAMETERS**

F - INPUT SOURCE FILE (REWOUND BEFORE COMPILE)  
OUT - LISTABLE OUTPUT (NOT REWOUND)  
(IF OUT=0, NO LIST IS PROVIDED, ERROR MESSAGES PRINT  
AT TERMINAL)

**DEFAULT BEGIN STATEMENT**

BEGIN,RUNBAS,,\*,OUT.  
(\* - NO DEFAULT)

MAX FL: 40000B

**REMARKS**

INPUT AND OUTPUT ARE CONNECTED BEFORE THE BASIC COMPILER  
IS CALLED.

**ERROR MESSAGES**

NO INPUT FILE.  
USER DID NOT SPECIFY AN INPUT FILE (PARAMETER 'F')

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 08/25/77

**DATE(S) REVISED**

03/01/78 - CONVERT TO CCL

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,RUNBAS,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'RUNFTN'**

**PURPOSE**

COMPILE AND EXECUTE FTN PROGRAM (SIMILAR TO EDITOR RUN,FTN  
FOR USE OUTSIDE OF EDITOR)

FUNCTIONAL CATEGORIES: L2

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,RUNFTN,,F,LGO.

**DESCRIPTION OF PARAMETERS**

F - FILE TO BE COMPILED  
(MUST BE SPECIFIED - AVOID LFN 'INPUT')  
LGO - FILE TO CONTAIN RELOCATABLE OBJECT MODULE

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: THAT OF THE CURRENT FTN COMPILER

**REMARKS**

AFTER COMPLETION, INPUT AND OUTPUT ARE CONNECTED.

**ERROR MESSAGES**

NO INPUT FILE.  
USER DID NOT SPECIFY AN INPUT FILE (PARAMETER 'F')

**AUTHOR**

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: 07/27/77

**DATE(S) REVISED**

03/01/78 - CONVERT TO CCL

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,RUNFTN,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'RUNFTN5'**

**PURPOSE**

COMPILE AND EXECUTE FTN5 PROGRAM (SIMILAR TO EDITOR RUN, FTN5  
FOR USE OUTSIDE OF EDITOR)

**FUNCTIONAL CATEGORIES: L2**

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN, RUNFTN5, , F, LGO.

**DESCRIPTION OF PARAMETERS**

F - FILE TO BE COMPILED  
(MUST BE SPECIFIED - AVOID LFN 'INPUT')  
LGO - FILE TO CONTAIN RELOCATABLE OBJECT MODULE

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: THAT OF THE CURRENT FTN5 COMPILER

**REMARKS**

AFTER COMPLETION, INPUT AND OUTPUT ARE CONNECTED.

**ERROR MESSAGES**

NO INPUT FILE.  
USER DID NOT SPECIFY AN INPUT FILE (PARAMETER 'F')

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/19/82

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN, DOCGET, , PROCFIL, , RUNFTN5, OUTPUT, MSACCES=<PASSWORD>.



**PROCEDURE 'RUNPAS'**

**PURPOSE**

COMPILE AND EXECUTE PASCAL PROGRAM UNDER INTERCOM

**FUNCTIONAL CATEGORIES: L2**

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN, RUNPAS,,F,OUT.

**DESCRIPTION OF PARAMETERS**

F - FILE TO BE COMPILED  
(MUST BE SPECIFIED - AVOID LFN 'INPUT')  
OUT - FILE TO CONTAIN COMPIRATION LISTING  
(RETAINED ONLY IF COMPIRATION FAILS)

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

**MAX FL:**

**REMARKS**

BEFORE USING RUNPAS, ATTACH OR CREATE A SOURCE INPUT FILE  
'F' (NETED OR EDITOR MAY BE USED TO CREATE IT).

'F' IS REWOUND BY THE PROCEDURE BEFORE COMPIRATION.

TO RE-EXECUTE PROGRAM 'F', TYPE 'LGO'.

**ERROR MESSAGES**

FILE <OUT> HAS THE COMPIRATION LISTING  
COMPIRATION FAILED. USE NETED OR EDITOR OR ROUTE TO A  
PRINTER TO FIND THE ERRORS.

NO INPUT FILE.

USER DID NOT SPECIFY AN INPUT FILE (PARAMETER 'F')

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

**DATE WRITTEN: 1979**

**DATE(S) REVISED**

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN, DOCGET,,PROCFIL,,RUNPAS,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'RUNSEQ'**

**PURPOSE**

COMPILE AND EXECUTE FTN,SEQ PROGRAM (USES TS OPTION)

**FUNCTIONAL CATEGORIES: L2**

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,RUNSEQ,,F,LGO.

**DESCRIPTION OF PARAMETERS**

F - FILE TO BE COMPILED  
(MUST BE SPECIFIED - AVOID LFN 'INPUT')  
LGO - FILE TO CONTAIN RELOCATABLE OBJECT MODULE

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: THAT OF THE CURRENT FTN COMPILER

**REMARKS**

THIS PROCEDURE IS FOR FORTRAN SOURCE PROGRAMS IN SEQUENCED MODE.

FOR TS OPTION FOR STANDARD FORMATTED FTN SOURCE CODE, USE 'RUNTS'.

AFTER COMPLETION, INPUT AND OUTPUT ARE CONNECTED.

**ERROR MESSAGES**

NO INPUT FILE.

USER DID NOT SPECIFY AN INPUT FILE (PARAMETER 'F')

**AUTHOR**

SHARON E GOOD - DTNSRDC CODE 1892.1

**DATE WRITTEN: 07/27/77**

**DATE(S) REVISED**

03/01/78 - CONVERT TO CCL

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,RUNSEQ,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'RUNTS'**

**PURPOSE**

COMPILE AND EXECUTE FTN, TS PROGRAM

FUNCTIONAL CATEGORIES: L2

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN, RUNTS, ;F, LGO.

**DESCRIPTION OF PARAMETERS**

F - FILE TO BE COMPILED  
(MUST BE SPECIFIED - AVOID LFN 'INPUT')  
LGO - FILE TO CONTAIN RELOCATABLE OBJECT MODULE

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: THAT OF THE CURRENT FTN COMPILER

**REMARKS**

AFTER COMPLETION, INPUT AND OUTPUT ARE CONNECTED.

**ERROR MESSAGES**

NO INPUT FILE.

USER DID NOT SPECIFY AN INPUT FILE (PARAMETER 'F')

**AUTHOR**

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: 07/27/77

**DATE(S) REVISED**

03/01/78 - CONVERT TO CCL

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN, DOCGET, , PROCFIL, , RUNTS, OUTPUT, MSACCES=<PASSWORD>.

PROCEDURE 'SEGLD'

**PURPOSE**

CREATE A SEGLOAD ABSOLUTE FILE

FUNCTIONAL CATEGORIES: LO Q3

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

SYSTEM PUBLIC-ACCESS INTERACTIVE PROCEDURE FILE

**USAGE**

BEGIN,SEGLD,,SEGDIR,LGO,ABS.

BEGIN,SEGLD,I,<PARAMS>            <-- FOR INTERACTIVE VERSION

BEGIN,SEGLD,I,?                    <-- FOR INTERACTIVE PROCESSING

**DESCRIPTION OF PARAMETERS**

SEGDIR - FILE CONTAINING SEGLOAD DIRECTIVES  
(REWOUND BEFORE USE)

LGO      - RELOCATABLE OBJECT FILE

ABS      - ABSOLUTE OBJECT FILE  
(MAY BE CATALOGED)

**DEFAULT BEGIN STATEMENT**

BEGIN,SEGLD,,SEGDIR,LGO,ABS.

MAX FL: DEPENDS UPON PROGRAM BEING LOADED

**REMARKS**

NONE

**AUTHOR**

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: 01/16/78

**DATE(S) REVISED**

03/01/78 - CONVERT TO CCL

05/15/84 - MAKE INTERACTIVE

08/30/84 - PUT INTERACTIVE VERSION INTO INTEACTIVE FILE

- PUT NON-INTERACTIVE VERSION INTO REGULAR FILE

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,SEGLD,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'SEGO'

PURPOSE

SEGLOAD AND EXECUTE PROGRAM WITH OPTIONAL LIBRARY

FUNCTIONAL CATEGORIES: Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

SYSTEM PUBLIC-ACCESS INTERACTIVE PROCEDURE FILE

USAGE

BEGIN,SEGO,,OBJ,SEG, ID,LIB1.

BEGIN,SEGO,I, <PARAMS> <-- FOR INTERACTIVE VERSION

BEGIN,SEGO,I,? <-- FOR INTERACTIVE PROCESSING

DESCRIPTION OF PARAMETERS

OBJ - OBJECT CODE PERMANENT FILE NAME

SEG - SEGLOAD DIRECTIVES PERMANENT FILE NAME

ID - USER ID FOR OBJ, SEG

LIB1 - OPTIONAL PUBLIC LIBRARY OF SUBROUTINES

DEFAULT BEGIN STATEMENT

NONE

MAX FL: AS REQUIRED BY THE SEGLOADED PROGRAM

REMARKS

ALLOWS INTERACTIVE USE OF SEGLOAD.

ABSOLUTE CODE MODULE IN FILE 'ABS' AT TERMINATION.

DUMMY SEGLOAD POSSIBLE IF SEG CONTAINS ' TREE <MAIN> '.

EXAMPLE

BEGIN,SEGO,,MYOBJECTFILE,MYSEGDIRECT,MYID,IMSL.

AUTHOR

SHARON E GOOD - DTNSRDC 1892.1

DATE WRITTEN: 03/20/81

DATE(S) REVISED

05/15/84 - MAKE INTERACTIVE

08/30/84 - PUT INTERACTIVE VERSION INTO INTERACTIVE FILE

- PUT NON-INTERACTIVE VERSION INTO REGULAR FILE

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,SEGO,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'SELDUMP'**

**PURPOSE**

CREATE BACKUP DUMP TAPE OF THE USER PERMANENT FILES OF AN ACCOUNT NUMBER

FUNCTIONAL CATEGORIES: Q4 K3

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN, SELDUMP, , AC, VSN1, VSN2, VSN3, VSN4, SN, D, PW.

**DESCRIPTION OF PARAMETERS**

AC	- MUST CORRESPOND TO ACCESS NUMBER ON CHARGE CARD
VSN1	- TAPE DIEBOLD OR SLOT NUMBER (6 CHARACTERS OR LESS)
VSN2	- EXTERNAL STICKER LABEL (SLOT TAPES ONLY)
VSN3/4	- SAME AS VSN1/2 FOR SECOND TAPE
SN	- SET NAME (DEFAULT: PUBLIC PERMANENT FILE SET)
D	- TAPE DENSITY (DEFAULT: GE (9 TRK, 6250 BPI))
PW	- READ PASSWORD (DEFAULT: PUBLIC PERMANENT FILE SET VALUE)

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: 20000B

**REMARKS**

OUTPUT IS MINI AUDIT LISTING PF NAME, CYCLE, ID FOR EACH FILE AND VSN OF TAPE ON WHICH IT WAS DUMPED.

**ERROR MESSAGES**

\*DIFFERENT DUMP TYPE OR MODE RUNNING\*

ONLY ONE DUMP PROGRAM MAY RUN AT A TIME AND ANOTHER JOB IS RUNNING ONE. WAIT AWHILE AND RE-SUBMIT THE JOB.

**EXAMPLE**

```
XXXXYY,GE1,....  
CHARGE,XXXX,ZZZZZ99999,....      << ACCESS # FOR 1234567890  
BEGIN, SELDUMP, ,1234567890,CA9999.  
<EOI>
```

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: EARLY 1975

DATE(S) REVISED

03/01/78 - CONVERT TO CCL  
09/23/80 - ADD VSN3 AND VSN4  
02/24/81 - ADD SN, D, PW - SEG  
09/20/82 - UPGRADE FOR MULTIPLE DIRECTORIES  
- CHANGE DEFAULT DENSITY TO GE

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,SELDUMP,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'SELLOAD'

PURPOSE

RESTORE SELECTED ROUTINES FROM A BACKUP DUMPF TAPE

FUNCTIONAL CATEGORIES: Q4 K4

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN, SELLOAD, , VSN1, VSN2, V, VSN3, VSN4, SN, E, D, PW.

DESCRIPTION OF PARAMETERS

VSN1	- TAPE DIEBOLD OR SLOT NUMBER (FIRST OR ONLY TAPE) (6 CHARACTERS OR LESS)
VSN2	- EXTERNAL STICKER LABEL (FIRST OR ONLY TAPE) (SLOT TAPES ONLY)
V	- REEL NUMBER IN MULTI-REEL FILE (DEFAULT: 1)
VSN3	- TAPE DIEBOLD OR SLOT NUMBER (SECOND TAPE) (6 CHARACTERS OR LESS)
VSN4	- EXTERNAL STICKER LABEL (SECOND TAPE) (SLOT TAPES ONLY)
SN	- SET NAME (DEFAULT: PUBLIC PERMANENT FILE SET)
E	- EDITION NUMBER OF TAPE (DEFAULT: 00 - LEVEL 508)
D	- TAPE DENSITY (DEFAULT: GE (9 TRK, 6250 BPI))
PW	- EXTEND PASSWORD (DEFAULT: PUBLIC PERMANENT FILE SET VALUE)

DEFAULT BEGIN STATEMENT

- NO MEANINGFUL DEFAULT VALUES

MAX FL: 20000B

REMARKS

NONE

DATA CARDS

ONE CARD PER FILE, CONTAINING ONE OF THE FOLLOWING:

PF=PFNAME, ID=XXXX, CY=NN.	TO RESTORE CYCLE NN
PF=PFNAME, ID=XXXX.	TO RESTORE ALL CYCLES
ID=XXXX.	ALL FILES OF USER XXXX

EXAMPLE

XXXXYYY, GE1, ....

CHARGE, XXXX, ZZZZZ99999.

BEGIN, SELLOAD, , CA9999.

' 7/8/9 EOR

PF=PFN1, ID=XXXX.

ALL CYCLES

PF=PFN2, ID=XXXX, CY=4.

ONLY CYCLE 4

...

<EOI>

AUTHORS

SHARON E GOOD - DTNSRDC CODE 1892.1  
DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: EARLY 1975 (SEG)

DATE(S) REVISED

03/01/78 - DVS - CONVERT TO CCL  
02/02/79 - SEG - ADD V, VSN3, VSN4 PARAMETERS  
09/24/80 - SEG - ADD SN, E PARAMS, MODIFY FOR LEVEL 508  
02/24/81 - SEG - ADD D, PW PARAMETERS  
09/20/82 - SEG - UPGRADE FOR MULTIPLE DIRECTORIES  
- CHANGE DEFAULT DENSITY TO GE

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,SELLOAD,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'SEND'

PURPOSE

SEND MESSAGES TO AN INTERCOM USER WHO IS NOT LOGGED IN;  
LIST MESSAGES

FUNCTIONAL CATEGORIES: Q0

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,SEND,,FCN,<PARAMETERS>.

DESCRIPTION OF PARAMETERS

FCN

- ONE OF THE FOLLOWING:

A OR ANY - CHECK FOR ANY MESSAGES  
C OR CREATE - CREATE A MAILBOX  
E OR EXPLAIN - TYPE EXPLANATION OF PROCEDURE  
L OR LIST - LIST CONTENTS OF MAILBOX  
S OR SEND - SEND TO ANOTHER MAILBOX  
(DEFAULT)

<PARAMETERS> - NOT USED BY FUNCTIONS ANY, CREATE OR EXPLAIN.  
OPTIONAL FOR LIST AND SEND (SEE FUNCTION  
DESCRIPTIONS BELOW)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 35000B

REMARKS

IN ORDER TO RECEIVE MESSAGES, THE USER MUST HAVE A  
PERMANENT FILE NAMED 'SENDFIL', HAVING NO PASSWORDS.

FUNCTIONS

ANY

BEGIN,SEND,,ANY.

THIS FUNCTION CHECKS TO SEE IF THERE ARE ANY MESSAGES.

CREATE

BEGIN,SEND,,CREATE.

CREATE A PERMANENT FILE WITH PFN OF 'SENDFIL'.

THIS IS REQUIRED BEFORE A USER CAN RECEIVE MESSAGES.

**LIST**

BEGIN,SEND,,LIST,OUTPUT.

LIST ANY MESSAGES ON FILE 'OUTPUT' (PARAMETER MAY BE OMITTED. IF 'OUTPUT' IS NOT CONNECTED, THE USER IS INFORMED THAT THE FILE WAS WRITTEN.

IN LISTING, IF THE FIRST CHARACTER OF A LINE IS 1, SPACE, 0, - OR +, IT IS TREATED AS CARRIAGE CONTROL. ALL OTHER LINES ARE SHIFTED ONE PLACE TO THE RIGHT BEFORE LISTING.

AFTER LISTING, THE USER IS ASKED WHETHER THE MESSAGES SHOULD BE SCRATCHED. THE USER MUST RESPOND Y OR YES (FOR YES) OR ANYTHING ELSE (FOR NO).

**SEND**

BEGIN,SEND,,SEND,TO,INPUT.

BEGIN,SEND,,TO,INPUT.

SEND MESSAGES TO USER 'TO' (4-CHARACTER USER ID OR U FOR USERSERVIC). IF OMITTED OR INVALID, THE USER IS PROMPTED FOR A 4-CHARACTER USER ID (MUST START WITH A, C, P, R, S) OR USERSERVIC (MAY BE ABBREVIATED U OR USER).

IF THE NEXT PARAMETER (INPUT) IS OMITTED (OR 'INPUT'), THE MESSAGES ARE READ FROM THE TERMINAL. IF THE PARAMETER IS GIVEN AND IS NOT 'INPUT', THE LOCAL FILE OF THAT NAME IS REWOUND AND COPIED THRU END-OF-INFORMATION. A MESSAGE IS TYPED STATING THAT THE FILE IS BEING READ.

MESSAGES ARE UP TO 80 CHARACTERS LONG; THE FIRST OF WHICH MAY BE USED FOR CARRIAGE CONTROL.

**MESSAGES**

**GENERAL .**

INVALID FUNCTION - MUST BE ONE OF

ANY - CREATE - EXPLAIN - LIST - SEND

FIRST PARAMETER OF EXECUTE STATEMENT WAS INVALID

**FUNCTION ANY--**

SOMEONE IS SENDING YOU A MESSAGE

CANNOT ACCESS YOUR SENDFIL UNTIL SENDER COMPLETES THE MESSAGE

UNEXPECTED RETURN CODE (NNNB) FROM ATTACH

PLEASE TRY AGAIN LATER

IF SAME ERROR OCCURS AGAIN, SEE CCRM, 3-7, AND/OR CALL USER SERVICES

YOU DO NOT HAVE A SENDFIL

TO CREATE ONE, USE BEGIN,SEND,,CREATE.

YOU HAVE NO MESSAGES

YOU HAVE SOME MESSAGES

TO LIST THEM, USE BEGIN,SEND,,LIST,OUTPUT.

FUNCTION CREATE--

CT ID= XXXX PFN=SENDFIL  
CT CY= NNN 00000000 PRUS \$0000.00 /DAY  
CREATE WAS SUCCESSFUL

ERROR DURING CATALOG  
PLEASE TRY AGAIN LATER  
COULD NOT CATALOG

ERROR TRYING TO GET PF SPACE  
PLEASE TRY AGAIN LATER  
COULD NOT GET PERMANENT FILE SPACE

YOU ALREADY HAVE A SENDFIL  
CANNOT CREATE A SECOND SENDFIL

FUNCTION LIST--

EX ID= XXXX PFN=SENDFIL  
EX CY= NNN 00000000 PRUS \$0000.00 /DAY  
SENDFIL CONTENTS WERE SUCCESSFULLY SCRATCHED

MESSAGES WRITTEN ON FILE <LFN>  
OUTPUT FILE <LFN> IS NOT CONNECTED AND CONTAINS  
LISTING OF MESSAGES.

SHALL I SCRATCH THE MESSAGES (Y OR N) --  
ENTER Y OR YES TO CLEAR THE MESSAGES.  
ENTER ANYTHING ELSE TO RETAIN THEM.

SORRY - SOMEONE IS SENDING YOU A MESSAGE  
PLEASE TRY AGAIN LATER  
CANNOT LIST MESSAGES WHILE SOMEONE IS SENDING YOU ONE

UNEXPECTED RETURN CODE (NNNB) FROM ATTACH  
PLEASE TRY AGAIN LATER  
ERROR WHILE ATTACHING YOUR SENDFIL. IF IT HAPPENS  
AGAIN, SEE CCRM, 3-7, AND/OR CALL USER SERVICES.

FUNCTION SEND--

CALL AGAIN  
RESPONSE TO USER ENTRY OF 'QUIT'

ENTER YOUR MESSAGES - END WITH END  
BEGIN ENTERING UP-TO-80-CHARACTER MESSAGES. END WITH  
SEPARATE LINE CONTAINING END AND NO OTHER NON-BLANK  
CHARACTERS. THERE IS NO MORE PROMPTING UNTIL END IS  
ENCOUNTERED.

FROM: YOUR-USER-ID  
TO : TO-USER-ID  
SENDFIL WAS SUCCESSFULLY ATTACHED

INVALID. MUST BE USERSERVIC OR 4 CHARACTERS STARTING  
WITH A, C, P, R OR S.  
PLEASE RE-ENTER IT (OR 'QUIT' TO STOP)-  
ENTER ONE OF THE FOLLOWING:  
4-CHARACTER USER-ID (START WITH A/C/P/R/S)  
USERSERVIC (OR U OR USER)  
QUIT

READING FROM FILE XXXXXXX  
MESSAGES ARE BEING READ FROM INDICATED FILE

SORRY - I COULDN'T SEND YOUR MESSAGES  
PLEASE TRY AGAIN LATER  
EXTEND OF SENDFIL FAILED

SORRY, XXXX IN NOT ACCESSIBLE  
SPECIFIED USER'S SENDFIL IS BEING USED BY SOMEONE ELSE

SORRY, XXXX CANNOT RECEIVE MESSAGES  
SPECIFIED USER DOES NOT HAVE A FILE CALLED SENDFIL

TO WHOM (4-CHARACTER USER-ID -OR- USERSERVIC)-  
USER-ID ON EXECUTE CARD WAS OMITTED OR INVALID. ENTER  
IT NOW.

... TRUNCATED  
ONLY FIRST 80 CHARACTERS READ. LISTED CHARACTERS  
IGNORED.

YOUR MESSAGE HAS BEEN SENT  
THE SENDFIL WAS SUCCESSFULLY EXTENDED

AUTHOR  
DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/20/77

DATE(S) REVISED  
03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT  
BEGIN,DOCGET,,PROCFIL,,SEND,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'SORT'**

**PURPOSE**

SORT (SORTMRG) UP TO 5 'DISPLAY' FIELDS USING 'COBOL6'  
COLLATING SEQUENCE ('FILE' CARDS REQUIRED)

FUNCTIONAL CATEGORIES: M1

LOCATION OF PROCEDURE  
SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN, SORT,, IN, OUT, OUTPUT, NF, S1, N1, AD1, S2, N2, AD2, S3, N3, AD3,  
S4, N4, AD4, S5, N5, AD5.

**DESCRIPTION OF PARAMETERS**

IN	- INPUT FILE TO BE SORTED
OUT	- OUTPUT SORTED FILE
OUTPUT	- LISTABLE OUTPUT (SORT DIRECTIVES)
NF	- NUMBER OF FIELDS TO BE SORTED
S1	- STARTING POSITION OF FIRST SORT FIELD
N1	- NUMBER OF POSITIONS IN FIRST SORT FIELD
AD1	- A - ASCENDING SORT D - DESCENDING SORT
S2, N2, AD2	- SAME FOR SECOND SORT FIELD
...	
S5, N5, AD5	- SAME FOR FIFTH SORT FIELD

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: 60000B (USUALLY)

**REMARKS**

THE USER MUST SUPPLY 'FILE' CARDS FOR THE INPUT AND OUTPUT  
FILES (IN AND OUT) BEFORE USING THIS PROCEDURE. THEY MUST  
EACH HAVE AT LEAST THE BT, RT AND MRL PARAMETERS.

FOR BT=C, RT=Z FILES, USE PROCEDURE 'SORTCZ'.

**ERROR MESSAGES**

TOO MANY FIELDS (MAX 5)  
USER SPECIFIED AN NF GREATER THAN 5

**EXAMPLE**

SORT A CARD-IMAGE FILE ON COLUMNS 1-5 (ASCENDING) AND  
41-50 (DESCENDING):  
FILE, INFILE, BT=C, RT=Z, MRL=90.  
FILE, OUTFILE, BT=C, RT=Z, MRL=90.  
BEGIN, SORT,, INFILE, OUTFILE,, 2, 1, 5, A, 41, 10, D.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

**DATE WRITTEN:** 11/03/77

**DATE(S) REVISED**

03/01/78 - CONVERT TO CCL

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,SORT,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'SORTCZ'**

**PURPOSE**

SORT (SORTMRG) UP TO 5 'DISPLAY' FIELDS USING 'COBOL6'  
COLLATING SEQUENCE ('FILE' CARDS NOT REQUIRED)

FUNCTIONAL CATEGORIES: M1

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN, SORTCZ,, IN, OUT, OUTPUT, MRL, NF, S1, N1, AD1, S2, N2, AD2,  
S3, N3, AD3, S4, N4, AD4, S5, N5, AD5.

**DESCRIPTION OF PARAMETERS**

IN	- INPUT FILE TO BE SORTED
OUT	- OUTPUT SORTED FILE
OUTPUT	- LISTABLE OUTPUT (SORT DIRECTIVES)
MRL	- MAXIMUM RECORD LENGTH (ROUNDED UP TO MULTIPLE OF 10)
NF	- NUMBER OF FIELDS TO BE SORTED
S1	- STARTING POSITION OF FIRST SORT FIELD
N1	- NUMBER OF POSITIONS IN FIRST SORT FIELD
AD1	- A - ASCENDING SORT D - DESCENDING SORT
S2, N2, AD2	- SAME FOR SECOND SORT FIELD
...	
S5, N5, AD5	- SAME FOR FIFTH SORT FIELD

**DEFAULT BEGIN STATEMENT**

NO MEANINGFUL DEFAULT VALUES

MAX FL: 60000B (USUALLY)

**REMARKS**

THIS PROCEDURE PROVIDES 'FILE' CARDS FOR BOTH 'IN' AND  
'OUT'. EACH DEFINES BT=C, RT=Z. MRL IS USER-SPECIFIED  
(DEFAULT: MRL=90)

TO SUPPLY 'FILE' CARDS, USE PROCEDURE 'SORT'.

**ERROR MESSAGES**

TOO MANY FIELDS (MAX 5)  
USER SPECIFIED AN NF GREATER THAN 5

**EXAMPLE**

SORT A CARD-IMAGE FILE ON COLUMNS 1-5 (ASCENDING) AND  
41-50 (DESCENDING):  
BEGIN, SORTCZ,, INFILE, OUTFILE,, 90, 2, 1, 5, A, 41, 10, D.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/07/80

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,SORTCZ,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'S2K260'

PURPOSE

ATTACH FILES FOR S2000 (VERSION 2.60) NATURAL LANGUAGE,  
FORTRAN, OR COBOL PROCEDURAL LANGUAGE INTERFACE.

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE.

USAGE

BEGIN, S2K260, , LANG.

DESCRIPTION OF PARAMETER

LANG	- COB	FOR COBOL LANGUAGE INTERFACE ROUTINE
	- FOR	FOR FORTRAN LANGUAGE INTERFACE ROUTINE
	- OMITTED	NATURAL LANGUAGE

DEFAULT BEGIN STATEMENT

BEGIN, S2K260. USE NATURAL LANGUAGE ONLY

MAX FL: 15000B

REMARKS

THIS PROCEDURE ATTACHES THE FILES FOR SYSTEM 2000  
VERSION 2.60. DO NOT USE BEFORE READING THE NEWSLETTER  
FROM MRI REGARDING THE FEATURES AND DIFFERENCES IN THIS  
VERSION OF SYSTEM 2000 (APRIL 1977).

EXAMPLES

FOR NATURAL LANGUAGE: BEGIN, S2K260.  
S2K260, , . . . . . EXECUTE S2K

FOR COBOL INTERFACE: BEGIN, S2K260, , COB.  
PLICOB, , . . . . . PRECOMPILER  
COPYR, PLILGO, LGO, 2.  
COBOL, I=TAPE3, , . . . . .  
FTN, I=TAPE3, , . . . . . REQUIRED  
COPYF, PLILGO, LGO.  
LGO. EXECUTE

FOR FORTRAN INTERFACE: BEGIN, S2K260, , FOR.  
PLIFOR, , . . . . . PRECOMPILER  
COPYR, PLIGO, LGO, 2.  
FTN, I=TAPE3, , . . . . .  
COPYF, PLILGO, LGO.  
LGO. EXECUTE

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1  
BRUCE D BLACK - DTNSRDC CODE 1892.1 (CDC)

DATE WRITTEN: 06/20/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL  
07/10/80 - CHANGE SETNAME TO USRVLB2  
08/05/80 - CHANGE 'PLILGO260' TO 'S2K260LGO'

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,S2K260,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'S2K280'

PURPOSE

ATTACH FILES FOR S2000 (VERSION 2.80) SELF-CONTAINED LANGUAGES, REPORT PROCESSOR, FORTRAN OR COBOL PROGRAMMING LANGUAGE EXTENSION (PLEX).

FUNCTIONAL CATEGORIES: LO Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,S2K280.,LANG,SIZE

DESCRIPTION OF PARAMETERS

LANG	- COB	COBOL PROGRAMMING LANGUAGE EXTENSION
	- FOR	FORTRAN PROGRAMMING LANGUAGE EXTENSION
	- RWX	TO CREATE A REPORT WRITER USER EXIT
	- OMITTED	SELF-CONTAINED LANGUAGES
SIZE	- SMALL	SMALL VERSION. TO BE USED WHEN SMALL FL DESIRED. I/O TIME CAN BE EXPECTED TO INCREASE. IT DOES NOT HAVE THE SUBMIT FEATURE OR THE SELF-CONTAINED FACILITY. THE COMMAND FILE, DATA FILE AND REPORT FILE HAVE BEEN REMOVED.
	- MEDIUM	MEDIUM VERSION. EQUIVALENT IN SIZE TO S2K VERSION 2.60.
	- OMITTED	MEDIUM VERSION
	- ***** NOTE-	THE SIZE PARAMETER CAN ONLY BE USED WITH THE PLEX LANGUAGES

DEFAULT BEGIN STATEMENT

BEGIN,S2K280. USE SELF-CONTAINED LANGUAGES ONLY

MAX FL: 15000B

REMARKS

THIS PROCEDURE ATTACHES THE FILES FOR SYSTEM 2000 VERSION 2.80. DO NOT USE BEFORE READING THE NEWSLETTER FROM DTNSRDC CODE 1892.1 REGARDING THE FEATURES AND DIFFERENCES IN THIS VERSION OF SYSTEM 2000 (1981).

EXAMPLES

FOR SELF-CONTAINED LANGUAGES:

BEGIN,S2K280.

S2K280,....

EXECUTE S2K

FOR COBOL PROGRAMMING LANGUAGE EXTENSION:  
BEGIN,S2K280,,COB.  
PLICOB,....  
COPYR,PLILGO,LGO,2.  
COBOL,I=TAPE3,....  
COPYF,PLILGO,LGO.  
LGO. EXECUTE

FOR SMALL VERSION OF COBOL PROGRAMMING LANGUAGE EXTENSION:  
BEGIN,S2K280,,COB,SMALL.  
PLICOB,....  
COPYR,PLILGO,LGO,2.  
COBOL,I=TAPE3.  
COPYF,PLILGO,LGO.  
LGO.

FOR FORTRAN PROGRAMMING LANGUAGE EXTENSION:  
BEGIN S2K280,,FOR.  
PLIFOR,....  
COPYR,PLIGO,LGO,2.  
FTN,I=TAPE3,....  
COPYF,PLILGO,LGO.  
LGO. EXECUTE

FOR CREATION OF A REPORT WRITER USER EXIT:  
BEGIN,S2K280,,RWX.  
COPYR,RWEXIT,3.  
FTN,... OR COBOL,....  
LGO.

AUTHOR

ANN T SOLLO - DTNSRDC CODE 1892.1 (CDC)

DATE WRITTEN: 04/01/82

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,S2K280,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'TAPRD'

PURPOSE

COPY ONE OR MORE FILES FROM A FIXED LENGTH, BLOCKED STRANGER  
TAPE TO DISK

FUNCTIONAL CATEGORIES: K1

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE  
SYSTEM PUBLIC-ACCESS PROCEDURE FILE

EXECUTE STATEMENT

```
BEGIN,TAPRD,,PFN, ID, FILES,  
          VSN, SLOT, L, F, N, D,  
          MRL, RB, MBL.
```

DESCRIPTION OF PARAMETERS

PFN	- PERMANENT FILE NAME TO BE PROCESSED
ID	- ID UNDER WHICH PFN IS CATALOGED (REQUIRED)
FILES	- NUMBER OF FILES TO COPY 0 - PFN IS A SEQUENTIAL FILE (DEFAULT: 1)
VSN	- VOLUME SERIAL NUMBER OF THE TAPE (REQUIRED)
SLOT	- ONE OF THE FOLLOWING: <SLOT #> - VSN IS A SLOT TAPE OMITTED - VSN IS A COMPUTER CENTER (DIEBOLD) TAPE
L	- ONE OF THE FOLLOWING: 0 - THE TAPE IS TO BE UNLABELLED <LABEL> - THE TAPE IS TO BE LABELLED WITH L=<LABEL> OMITTED - THE TAPE IS TO BE LABELLED WITH L=<ID>
F	- ONE OF THE FOLLOWING: L - LONG STRANGER TAPE OMITTED - STRANGER TAPE
N	- ONE OF THE FOLLOWING: OMITTED - ASCII (USASCII) EB - EBCDIC
D	- TAPE DENSITY (GE/PE/HD/HY/HI) (JOB STATEMENT MUST HAVE A MATCHING TAPE REQUEST)
MRL	- MAXIMUM RECORD LENGTH (DEFAULT: 80; UPDATE PL'S WILL BE 80)
RB	- NUMBER OF RECORDS PER BLOCK (DEFAULT: 40)
MBL	- MAXIMUM BLOCK LENGTH (MRL TIMES RB) (DEFAULT: 3200) (IF MBL > 3840 (9-TRACK) OR > 5120 (7-TRACK), THEN F=L MUST BE SPECIFIED)

DEFAULT EXECUTE STATEMENT

BEGIN, TAPRD, , PFN, ID=\*, FILES=1, VSN=\*, SLOT=, L=<ID>, P=S, N=US,  
D=GE, MRL=80, RB=40, MBL=3200.

\* - USER MUST SUPPLY

MAX FL: 60000B (IF UPDATE REQUIRED); 21000B OTHERWISE

REMARKS

NONE

ERROR MESSAGES

TAPRD REQUIRES MAG TAPE AND  
MUST BE RUN FROM BATCH

YOU TRIED TO RUN THE PROCEDURE UNDER INTERCOM. YOU MUST  
PREPARE A BATCH JOB (DON'T FORGET THE TAPE PARAMETER IN  
THE JOB STATEMENT) AND ROUTE IT TO THE INPUT QUEUE.

ID MUST BE SPECIFIED

YOU MUST SPECIFY AN ID. THERE IS NO DEFAULT.

VSN MUST BE SPECIFIED

YOU MUST SPECIFY THE TAPE VOLUME SERIAL NUMBER. THERE IS  
NO DEFAULT.

EXAMPLES

1) COPY ONE FILE FROM THE UNLABELLED STRANGER TAPE IN SLOT  
98 INTO PERMANENT FILE MYFILE. THE CARD IMAGES ON THE  
TAPE ARE BLOCKED 40 PER PHYSICAL RECORD.

BEGIN, TAPRD, , MYFILE, MYID, , MYTAPE, 98, 0.

2) COPY 3 DATA FILES FROM 9-TRACK, 1600 BPI, ASCII TAPE  
MYTAPE. THE DATA RECORDS ARE 133 CHARACTERS LONG,  
BLOCKED 30 (MBL=3990, SO THIS IS AN L-TAPE).

BEGIN, TAPRD, , MYDATA, MYID, 3, CA8976, , <MYLABEL>, L, US, PE,  
133, 30, 3990.

AUTHOR

DAVID V. SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 10/07/83

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN, DOCGET, , PROCFIL, , TAPRD, OUTPUT, MSACCES=<PASSWORD>.

PROCEDURE 'TAPWR'

PURPOSE

COPY A SEQUENTIAL FILE OR AN UPDATE PL ONTO A FIXED LENGTH,  
BLOCKED STRANGER TAPE

FUNCTIONAL CATEGORIES: K1

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE  
SYSTEM PUBLIC-ACCESS PROCEDURE FILE

EXECUTE STATEMENT

```
BEGIN,TAPWR,,PFN, ID,DECK,  
          VSN,SLOT,L,F,N,D,T,C,  
          MRL, RB, MBL,  
          UO, PW1, PW2.
```

DESCRIPTION OF PARAMETERS

PFN	- PERMANENT FILE NAME TO BE PROCESSED
ID	- ID UNDER WHICH PFN IS CATALOGED (REQUIRED)
DECK	- ONE OF THE FOLLOWING: 0 - PFN IS A SEQUENTIAL FILE <DECK> - PFN IS AN UPDATE PL AND *DECK <DECK> I TO BE EXTRACTED OMITTED - PFN IS AN UPDATE PL AND ALL DECKS ARE TO BE EXTRACTED
VSN	- VOLUME SERIAL NUMBER OF THE TAPE (REQUIRED)
SLOT	- ONE OF THE FOLLOWING: <SLOT #> - VSN IS A SLOT TAPE OMITTED - VSN IS A COMPUTER CENTER (DIEBOLD) TAPE
L	- ONE OF THE FOLLOWING: 0 - THE TAPE IS TO BE UNLABELLED <LABEL> - THE TAPE IS TO BE LABELLED WITH L=<LABEL> OMITTED - THE TAPE IS TO BE LABELLED WITH L=<ID>
F	- ONE OF THE FOLLOWING: L - LONG STRANGER TAPE OMITTED - STRANGER TAPE
N	- ONE OF THE FOLLOWING: OMITTED - ASCII (USASCII) EB - EBCDIC
D	- TAPE DENSITY (GE/PE/HD/HY/HI) (JOB STATEMENT MUST HAVE A MATCHING TAPE REQUEST)
T	- RETENTION PERIOD (DEFAULT: 1 DAY)
C	- CREATION DATE (REQUIRED ONLY FOR UNEXPIRED TAPE LABEL)

MRL - MAXIMUM RECORD LENGTH  
(DEFAULT: 80; UPDATE PL'S WILL BE 80)  
RB - NUMBER OF RECORDS PER BLOCK  
(DEFAULT: 40)  
MBL - MAXIMUM BLOCK LENGTH (MRL TIMES RB)  
(DEFAULT: 3200)  
(IF MBL > 3840 (9-TRACK) OR > 5120 (7-TRACK),  
THEN F=L MUST BE SPECIFIED)  
U - UPDATE OPTION. ONE OF:  
    OMITTED - 80-COLUMN COMPILE FILE (UPDATE,8,D)  
    OTHER - 80-COLUMN SOURCE FILE (UPDATE,S=)  
PW1,PW2 - PASSWORDS FOR PERMANENT FILE PFN

DEFAULT EXECUTE STATEMENT

BEGIN,TAPWR,,PFN, ID=\*,DECK=,VSN=\*,SLOT=,L=<ID>,F=S,N=US,  
D=GE,T=1,C=,MRL=80,RB=40,MBL=3200,UO=,PW1,PW2.  
\* - USER MUST SUPPLY

MAX FL: 60000B (IF UPDATE REQUIRED); 21000B OTHERWISE

REMARKS

NONE

ERROR MESSAGES

TAPWR REQUIRES MAG TAPE AND  
MUST BE RUN FROM BATCH

YOU TRIED TO RUN THE PROCEDURE UNDER INTERCOM. YOU MUST  
PREPARE A BATCH JOB (DON'T FORGET THE TAPE PARAMETER IN  
THE JOB STATEMENT) AND ROUTE IT TO THE INPUT QUEUE.

ID MUST BE SPECIFIED

YOU MUST SPECIFY AN ID. THERE IS NO DEFAULT.

VSN MUST BE SPECIFIED

YOU MUST SPECIFY THE TAPE VOLUME SERIAL NUMBER. THERE IS  
NO DEFAULT.

EXAMPLES

1) WRITE A SEQUENTIAL SOURCE PROGRAM FILE TO TAPE MYTAPE.  
THE CARD IMAGES ARE TO BE BLOCKED 40 PER PHYSICAL RECORD.  
THE STRANGER TAPE IS IN SLOT 98.

BEGIN,TAPWR,,MYPROG,MYID,0,MYTAPE,98.

2) WRITE ALL DECKS IN UPDATE LIBRARY MYLIB TO TAPE MYTAPE.  
THE CARD IMAGES ARE TO BE BLOCKED 40 PER PHYSICAL RECORD.  
THE TAPE IS IN DIEBOLD POSITION CA9876.

BEGIN,TAPWR,,MYLIB,MYID,,CA9876.

3) WRITE ONLY DECK MYDECK FROM LIBRARY MYLIB TO TAPE MYTAPE.  
THE OTHER SPECIFICATIONS ARE AS IN EXAMPLE 2.

BEGIN,TAPWR,,MYLIB,MYID,MYDECK,CA9876.

4) WRITE SEQUENTIAL DATA FILE MYDATA TO PE TAPE MYTAPE IN  
SLOT 77. THE DATA RECORDS ARE 133 CHARACTER LONG AND ARE  
TO BE BLOCKED 30 (MBL=3990, SO THIS IS TO BE AN L-TAPE).  
THE PERMANENT FILE HAS A TURNKEY PASSWORD. THE TAPE IS  
TO HAVE A RETENTION PERIOD OF 100 DAYS.

BEGIN, TAPWR, , MYDATA, MYID, 0, MYTAPE, 77, MYLABEL, L, , PE,  
100, 133, 30, 3990, MYTK.

AUTHOR

DAVID V. SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 10/07/83

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN, DOCGET, , PROCFIL, , TAPWR, OUTPUT, MSACCES=<PASSWORD>.

PROCEDURE 'TIDBITS'

PURPOSE

LIST FILE OF TIDBITS (HINTS ON IMPROVED COMPUTER USAGE)

FUNCTIONAL CATEGORIES: 01

COMPUTERS (OPERATING SYSTEMS)

CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,TIDBITS,,OUTPUT,LEFT.

DESCRIPTION OF PARAMETERS

OUTPUT - LISTABLE OUTPUT

LEFT - OMITTED OR 'LEFT' - PRINT ON LEFT SIDE OF PAGE  
ANYTHING ELSE - PRINT CENTERED ON WIDE PAPER

DEFAULT BEGIN STATEMENT

BEGIN,TIDBITS,,OUTPUT,L.

MAX FL: 32000B

REMARKS

NONE

MESSAGES

<OUTPUT> HAS TIDBITS

INDICATES SUCCESSFUL COMPLETION (LEFT-JUSTIFIED PRINTOUT)

<OUTPUT> HAS TIDBITS (CENTERED)

INDICATES SUCCESSFUL COMPLETION (CENTERED PRINTOUT)

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 08/01/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

03/15/83 - CHANGE FROM USING PROGDOC TO GETDOC

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,TIDBITS,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'TPAUDIT'

PURPOSE

AUDIT TAPES ASSIGNED TO USER INITIALS

FUNCTIONAL CATEGORIES: Q0

COMPUTERS (OPERATING SYSTEMS)

CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN, TPAUDIT.

DEFAULT BEGIN STATEMENT

BEGIN, TPAUDIT.

MAX FL: 12500B

REMARKS

USER INITIALS TO BE AUDITED WILL BE THE LOGGED-IN USER INITIALS.

OUTPUT DESCRIPTION

A LIST OF TAPES ASSIGNED TO THE LOGGED-IN USER INITIALS.

AUTHOR

JANET MOXLEY - DTNSRDC CODE 189.3

DATE WRITTEN: FEBRUARY 1982

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,TPAUDIT,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'TPGET'**

**PURPOSE**

AUTOMATICALLY OBTAIN TAPES FROM THE COMPUTER CENTER'S TAPE LIBRARY

FUNCTIONAL CATEGORIES: Q0

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE  
SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,TPGET.

DEFAULT BEGIN STATEMENT  
BEGIN,TPGET.

MAX FL: 12500B

**REMARKS**

USER WILL BE PROMPTED FOR:

- USER INITIALS (IN THE FORM: XXXX)
- JOB ORDER NUMBER (IN THE FORM: 9999999999)
- NUMBER: TAPES AND SYSTEM LOCATION

**OUTPUT DESCRIPTION**

A LIST OF THE TAPE(S) ASSIGNED.

**AUTHOR**

JANET MOXLEY - DTNSRDC CODE 189.3

DATE WRITTEN: FEBRUARY 1982

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,TPGET,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'TPRLS'

PURPOSE

RELEASE ASSIGNED TAPES

FUNCTIONAL CATEGORIES: Q0

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,TPRLS.

DEFAULT BEGIN STATEMENT

BEGIN,TPRLS.

MAX FL: 12500B

REMARKS

USER WILL BE PROMPTED TO ENTER TAPE VSN'S TO BE RELEASED.  
TAPES MUST BE ASSIGNED TO THE USER'S LOGGED-IN USER  
INITIALS.

OUTPUT DESCRIPTION

VERIFICATION OF THE RELEASED TAPE(S).

AUTHOR

JANET MOXLEY - DTNSRDC CODE 189.3

DATE WRITTEN: FEBRUARY 1982

DATE(S) REVISED

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,TPRLS,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'TRANPK'

PURPOSE

COPY CONTENTS FROM ONE DEVICE SET TO ANOTHER FOR BACKUP

FUNCTIONAL CATEGORIES: K3

COMPUTERS (OPERATING SYSTEMS)  
CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE  
SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,TRANPK,,VSNF,FS,RDF,CNF,MDF,EXF,VSNT,TS,TKF,TKT.

DESCRIPTION OF PARAMETERS

VSNF	- VSN OF PACK COPIED FROM
FS	- SETNAME COPIED FROM
RDF	- USER READ PASSWORD INITIALIZED ON DUM FILE
CNF	- USER CONTROL PASSWORD INITIALIZED ON DUM FILE
MDF	- USER MODIFY PASSWORD INITIALIZED ON DUM FILE
EXF	- USER EXTEND PASSWORD INITIALIZED ON DUM FILE
VSNT	- VSN OF PACK TO COPY TO
TS	- SETNAME TO COPY TO
TKF	- DEVICE SET PASSWORD COPIED FROM
TKT	- DEVICE SET PASSWORD COPIED TO

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

IF NO TURNKEYS, OMIT THE LAST 2 PARAMETERS.

MAX FL:

REMARKS

PERFORMS BOTH PACK MOUNTS IN PROCEDURE.

OUTPUT IS A LIST OF FILES MOVED WITH ID AND CYCLE OF EACH.

EXAMPLE

BEGIN,TRANPK,,DVS299,SG1PK,RDPW,CNPW,MDPW,EXPW,DVS476,SG2PK.

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: 07/02/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL  
01/18/79 - ADD DEVICE SET PASSWORDS  
07/08/81 - CHANGE NAME FROM 'TRANPAK' TO 'TRANPK'  
- ADD EXF PARAMETER FOR EXTEND PASSWORD

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,TRANPK,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'UPDADD'

PURPOSE

ADD ONE DECK TO AN UPDATE LIBRARY

FUNCTIONAL CATEGORIES: K3 Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN, UPDADD, , LIB, ID, PROG, AFTER, LFN, AC, PW1, PW2, C, S.

DESCRIPTION OF PARAMETERS

LIB	- FIRST PART OF PFN (FULL PFN IS LIB_PL)
ID	- ID UNDER WHICH IT IS CATALOGED
PROG	- DECK NAME OF ROUTINE TO BE ADDED (*DECK PROG' IS GENERATED AUTOMATICALLY)
AFTER	- DECK NAME IT IS TO FOLLOW (IF OMITTED, NEW DECK GOES AT END OF LIBRARY)
LFN	- LFN OF FILE CONTAINING DECK TO BE ADDED (NO *DECK CARD)
AC	- JOB ORDER NUMBER FOR CATALOG (MAY BE OMITTED)
PW1, PW2	- PASSWORDS
C	- COMPILE FILE (0 FOR NONE)
S	- SOURCE FILE (0 FOR NONE)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 42000B

REMARKS

THE LOWEST CYCLE OF LIB\_PL IS PURGED, IF POSSIBLE. AT LEAST 2 CYCLES ARE ALWAYS RETAINED.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/10/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN, DOCGET, , PROCFIL, , UPDADD, OUTPUT, MSACCES=<PASSWORD>.

PROCEDURE 'UPDDELE'

PURPOSE

DELETE ONE DECK FROM AN UPDATE LIBRARY

FUNCTIONAL CATEGORIES: K3 Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN, UPDDELE, , LIB, ID, PROG, AC, PW1, PW2, S.

DESCRIPTION OF PARAMETERS

LIB	- FIRST PART OF PFN (FULL PFN IS LIB_PL)
ID	- ID UNDER WHICH IT IS CATALOGED
PROG	- DECK NAME OF ROUTINE TO BE DELETED (*DECK PROG' IS GENERATED AUTOMATICALLY)
AC	- JOB ORDER NUMBER FOR CATALOG (MAY BE OMITTED)
PW1, PW2	- PASSWORDS
S	- SOURCE FILE (0 FOR NONE)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 42000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/10/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN, DOCGET, , PROCFIL, , UPDDELE, OUTPUT, MSACCES=<PASSWORD>.

AD-A148 633

COMPUTER CENTER CDC LIBRARIES/PROCFIL (PROCEDURES)(U)

3/3

DAVID W TAYLOR NAVAL SHIP RESEARCH AND DEVELOPMENT  
CENTER BET. D V SOMMER JUN 84 DTNSRDC/CHLD-84-13

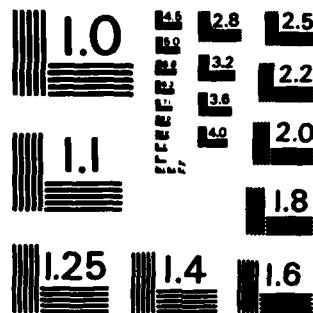
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NL

UNCLASSIFIED



END  
FILED  
DTC



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS -1963 - A

**PROCEDURE 'UPDDOC'**

**PURPOSE**

LIST DOCUMENTATION FOR PROCEDURES UPDADD, UPDDELE, UPDDOC,  
UPDGET, UPDLIST, UPDREPL

**FUNCTIONAL CATEGORIES: 01**

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,UPDDOC,,OUTPUT,LEFT.

**DESCRIPTION OF PARAMETERS**

OUTPUT - LISTABLE OUTPUT

LEFT - OMITTED - PRINT LEFT-JUSTIFIED ON PAGE  
NON-BLANK - PRINT CENTERED ON WIDE PAGE

**DEFAULT BEGIN STATEMENT**

BEGIN,UPDDOC,,OUTPUT.

**MAX FL: 25000B**

**REMARKS**

A BANNER PAGE PRECEDES THE LIST AND CONTAINS THE WORD  
'UPDDOC'. A BANNER PAGE WITH THE WORD 'END' FOLLOWS THE  
LIST.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

**DATE WRITTEN: 02/10/77**

**DATE(S) REVISED**

03/01/78 - CONVERT TO CCL

05/17/83 - USE PROGRAM GETDOC INSTEAD OF MANYDOC

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,UPDDOC,OUTPUT,MSACCES=<PASSWORD>.

**PROCEDURE 'UPDGET'**

**PURPOSE**

EXTRACT ONE DECK FROM AN UPDATE LIBRARY (UPDATE,C) AND,  
OPTIONALLY, ADD EDITOR SEQUENCING

**FUNCTIONAL CATEGORIES: K3 Q7**

**LOCATION OF PROCEDURE**

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,UPDGET,,LIB, ID,DECK,COMPILE,C72,E,START,INCR,PW1,PW2.

**DESCRIPTION OF PARAMETERS**

LIB - 1-7 CHARACTERS: FIRST PART OF PFN  
(FULL PFN IS LIB\_PL)  
ID - ID UNDER WHICH IT IS CATALOGED  
DECK - DECK NAME OF ROUTINE TO BE EXTRACTED  
COMPILE - COMPILE FILE (UPDATE,C=COMPILE)  
(WILL CONTAIN EXTRACTED DECK, UNLESS C72 USED)  
C72 - IF SPECIFIED, WILL CONTAIN 72-COLUMN COPY OF THE  
COMPILE FILE. THE COMPILE FILE IS NOT AVAILABLE  
TO THE USER.)  
E - OMITTED - DO NOT ADD EDITOR SEQUENCING  
ANY WORD STARTING WITH 'E' - ADD EDITOR SEQUENCING  
(THIS PARAMETER IS EFFECTIVE ONLY IF PARAMETER  
'C72' IS SPECIFIED)  
START - FIRST EDITOR SEQUENCE NUMBER (IF EDITOR SEQUENCING  
REQUESTED) (DEFAULT: 20)  
INCR - INCREMENT FOR EDITOR SEQUENCING (DEFAULT: 10)  
NOTE: DEFAULT START AND INCR WILL GIVE 10 TIMES  
THE COMPILE FILE CARD NUMBERS IF THE DECK HAS  
NO MODIFYING IDENTS.  
PW1,PW2 - PASSWORDS

**DEFAULT BEGIN STATEMENT**  
NO MEANINGFUL DEFAULT VALUES

**MAX FL: 42000B**

**REMARKS**  
NONE

**AUTHOR**  
DAVID V SOMMER - DTNSRDC CODE 1892.2

**DATE WRITTEN: 03/10/76**

**DATE(S) REVISED**  
07/13/76 - ADD EDITOR SEQUENCING OPTION  
02/04/77 - ADD PASSWORDS  
03/01/78 - CONVERT TO CCL

**ANOTHER COPY OF THIS DOCUMENT**  
BEGIN,DOCGET,,PROCFIL,,UPDGET,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'UPDGETS'

PURPOSE

EXTRACT ONE DECK FROM AN UPDATE LIBRARY (UPDATE,S) AND,  
OPTIONALLY, ADD EDITOR SEQUENCING

FUNCTIONAL CATEGORIES: K3 Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,UPDGETS,,LIB, ID, DECK, SOURCE, C72, E, START, INCR, PW1, PW2.

DESCRIPTION OF PARAMETERS

LIB - 1-7 CHARACTERS: FIRST PART OF PFN  
(FULL PFN IS LIB\_PL)  
ID - ID UNDER WHICH IT IS CATALOGED  
DECK - DECK NAME OF ROUTINE TO BE EXTRACTED  
SOURCE - SOURCE FILE (UPDATE,S=SOURCE)  
(COMDECKS, IF ANY, INCLUDED)  
(WILL CONTAIN EXTRACTED DECK, UNLESS C72 USED)  
C72 - IF SPECIFIED, WILL CONTAIN 72-COLUMN COPY OF THE  
COMPILE FILE. THE COMPILE FILE IS NOT AVAILABLE  
TO THE USER.)  
E - OMITTED - DO NOT ADD EDITOR SEQUENCING  
ANY WORD STARTING WITH 'E' - ADD EDITOR SEQUENCING  
(THIS PARAMETER IS EFFECTIVE ONLY IF PARAMETER  
'C72' IS SPECIFIED)  
START - FIRST EDITOR SEQUENCE NUMBER (IF EDITOR SEQUENCING  
REQUESTED) (DEFAULT: 20)  
INCR - INCREMENT FOR EDITOR SEQUENCING (DEFAULT: 10)  
NOTE: DEFAULT START AND INCR WILL GIVE 10 TIMES  
THE COMPILE FILE CARD NUMBERS IF THE DECK HAS  
NO MODIFYING IDENTS.

PW1, PW2 - PASSWORDS

DEFAULT BEGIN STATEMENT  
NO MEANINGFUL DEFAULT VALUES

MAX FL: 42000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/13/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,UPDGETS,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'UPDGETT'

PURPOSE

EXTRACT ONE DECK FROM AN UPDATE LIBRARY (UPDATE,T) AND,  
OPTIONALLY, ADD EDITOR SEQUENCING

FUNCTIONAL CATEGORIES: K3 Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,UPDGETT,,LIB, ID,DECK, SOURCE,C72,E,START,INCR,PW1,PW2.

DESCRIPTION OF PARAMETERS

LIB - 1-7 CHARACTERS: FIRST PART OF PFN  
(FULL PFN IS LIB PL)  
ID - ID UNDER WHICH IT IS CATALOGED  
DECK - DECK NAME OF ROUTINE TO BE EXTRACTED  
SOURCE - SOURCE FILE (UPDATE,T=SOURCE)  
(NO COMDECKS INCLUDED)  
(WILL CONTAIN EXTRACTED DECK, UNLESS C72 USED)  
C72 - IF SPECIFIED, WILL CONTAIN 72-COLUMN COPY OF THE  
COMPILE FILE. THE COMPILE FILE IS NOT AVAILABLE  
TO THE USER.)  
E - OMITTED - DO NOT ADD EDITOR SEQUENCING  
ANY WORD STARTING WITH 'E' - ADD EDITOR SEQUENCING  
(THIS PARAMETER IS EFFECTIVE ONLY IF PARAMETER  
'C72' IS SPECIFIED)  
START - FIRST EDITOR SEQUENCE NUMBER (IF EDITOR SEQUENCING  
REQUESTED) (DEFAULT: 20)  
INCR - INCREMENT FOR EDITOR SEQUENCING (DEFAULT: 10)  
NOTE: DEFAULT START AND INCR WILL GIVE 10 TIMES  
THE COMPILE FILE CARD NUMBERS IF THE DECK HAS  
NO MODIFYING IDENTS.

PW1,PW2 - PASSWORDS

DEFAULT BEGIN STATEMENT  
NO MEANINGFUL DEFAULT VALUES

MAX FL: 42000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/13/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,UPDGETT,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'UPDLIST'

PURPOSE

LIST DECK/COMDECK NAMES IN UPDATE LIBRARY WITH COUNT OF RECORDS IN EACH DECK/COMDECK

FUNCTIONAL CATEGORIES: 01 Q3

LOCATION OF PROCEDURE  
SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,UPDLIST,,LIB, ID, OUTPUT.

DESCRIPTION OF PARAMETERS

LIB - FIRST PART PF PFN  
(FULL PFN IS LIB\_PL)  
ID - ID UNDER WHICH IT IS CATALOGED  
OUTPUT - LISTABLE OUTPUT

DEFAULT BEGIN STATEMENT  
NO MEANINGFUL DEFAULT VALUES

MAX FL: 42000B

REMARKS

UPDATE IS RUN TO GET A SOURCE FILE. THEN PROGRAM 'DECK' ON UTILITY IS RUN AGAINST THE SOURCE FILE. THEREFORE, ANY IDENTS WILL NOT BE LISTED, AS THEY HAVE ALREADY BEEN PROCESSED BY UPDATE.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 04/12/76

DATE(S) REVISED

04/23/76  
05/04/76  
05/25/76  
03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,UPDLIST,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'UPDREPL'

**PURPOSE**

REPLACE ONE DECK IN AN UPDATE LIBRARY

FUNCTIONAL CATEGORIES: K3 Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,UPDREPL,,LIB, ID, PROG, AFTER, LFN, AC, PW1, PW2, C, S.

DESCRIPTION OF PARAMETERS

LIB	- FIRST PART OF PFN (FULL PFN IS LIB_PL)
ID	- ID UNDER WHICH IT IS CATALOGED
PROG	- DECK NAME OF ROUTINE TO BE REPLACED (*DECK PROG' IS GENERATED AUTOMATICALLY)
AFTER	- DECK NAME IT IS TO FOLLOW (IF OMITTED, NEW DECK GOES AT END OF LIBRARY)
LFN	- LFN OF FILE CONTAINING DECK TO BE REPLACED (NO *DECK CARD)
AC	- JOB ORDER NUMBER FOR CATALOG (MAY BE OMITTED)
PW1, PW2	- PASSWORDS
C	- COMPILE FILE (0 FOR NONE)
S	- SOURCE FILE (0 FOR NONE)

DEFAULT BEGIN STATEMENT  
NO MEANINGFUL DEFAULT VALUES

MAX FL: 42000B

**REMARKS**

THE LOWEST CYCLE OF LIB\_PL IS PURGED, IF POSSIBLE. AT LEAST  
2 CYCLES ARE ALWAYS RETAINED.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/11/76

**DATE(S) REVISED**

05/25/76 - DOUBLE UPDATE REPLACED BY SINGLE UPDATE  
03/01/78 - CONVERT TO CCL

**ANOTHER COPY OF THIS DOCUMENT**

BEGIN,DOCGET,,PROCFIL,,UPDREPL,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'UTILITY'

**PURPOSE**

EXECUTE A PROGRAM ON EDITLIB USER LIBRARY 'UTILITY'

FUNCTIONAL CATEGORIES: LO Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,UTILITY,,PROG,PARAMS.

DESCRIPTION OF PARAMETERS

PROG - PROGRAM TO BE EXECUTED

PARAMS - UP TO 19 PARAMETERS FOR 'PROG'

(KEYWORD PARAMETERS MUST BE \$-DELIMITED, E.G.,  
\$OPT=L\$.)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS ON PROGRAM BEING EXECUTED

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: EARLY 1975

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,UTILITY,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'VENUS'

PURPOSE

ATTACH AND EXECUTE ONE OF THE VENUS RETRIEVAL PROGRAMS

FUNCTIONAL CATEGORIES: SO

COMPUTERS (OPERATING SYSTEMS)

CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN, VENUS, , WHICH, INPUT, OUTPUT, SUBSET.

DESCRIPTION OF PARAMETERS

WHICH - VENUS PROGRAM DESIRED  
OMITTED - VENUS (SINGLE FILE VERSION)  
MF - VENUS (MULTIPLE FILE VERSION)  
PL - VENPL (PLOTTING LANGUAGE PROCESSOR)  
RP - VENRP (REPORT GENERATOR)  
INPUT - COMMAND INPUT FILE  
(IF TERMINAL, USER MUST 'CONNECT, INPUT')  
OUTPUT - LISTABLE OUTPUT  
(IF TERMINAL, USER MUST 'CONNECT, OUTPUT')  
SUBSET - OUTPUT FILE FOR THE SUBSET COMMAND

DEFAULT BEGIN STATEMENT

BEGIN, VENUS, , INPUT, OUTPUT, SUBSET.

MAX FL: 61000B (MF MAY NEED MORE)

REMARKS

NONE

ERROR MESSAGES

FIRST PARAMETER (<WHICH>) INVALID  
MUST BE ONE OF MF, PL, RP OR OMITTED  
SELF-EXPLANATORY

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 09/20/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN, DOCGET, , PROCFILE, , VENUS, OUTPUT, MSACCES=<PASSWORD>.

PROCEDURE 'WHATLIB'

**PURPOSE**

LIST LIBRARIES SPECIFIED IN LAST 'LIBRARY' COMMAND

FUNCTIONAL CATEGORIES: Q0

LOCATION OF PROCEDURE

SYSTEM PUBLIC-ACCESS PROCEDURE FILE

**USAGE**

BEGIN,WHATLIB,,OUTPUT.

DESCRIPTION OF PARAMETER

OUTPUT - LISTABLE OUTPUT

(TO PRINT AT INTERACTIVE TERMINAL, MUST BE  
CONNECTED.)

DEFAULT BEGIN STATEMENT

BEGIN,WHATLIB,,OUTPUT.

MAX FL: 22000B

**REMARKS**

OF LIMITED USE IN BATCH.

**AUTHOR**

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: MID-1975

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,WHATLIB,OUTPUT,MSACCES=<PASSWORD>.

PROCEDURE 'XEROX'

PURPOSE

ROUTE A COPY OF A FILE TO XEROX 8700

FUNCTIONAL CATEGORIES: Q0 A4

COMPUTERS (OPERATING SYSTEMS)

CDC 6000/CYBER 170 (NOS/BE)

LOCATION OF PROCEDURE

PUBLIC-ACCESS PROCEDURE FILE

SYSTEM PUBLIC-ACCESS INTERACTIVE PROCEDURE FILE

USAGE

BEGIN,XEROX,,LFN,FID,COPIES,JOB,PAPER,DUPLEX,FORMS.

BEGIN,XEROX,I,<PARAMS> <-- FOR INTERACTIVE VERSION

BEGIN,XEROX,I,? <-- FOR INTERACTIVE PROCESSING

DESCRIPTION OF PARAMETERS

LFN - LISTABLE LOCAL FILE TO BE ROUTED  
(REWOUND AFTER USE)

FID - FILE ID FOR ROUTE (USE YOUR USER INITIALS)  
(ROUTE,...,FID=\*<FID>,...)

COPIES - NUMBER OF COPIES

(A BLUE SEPARATOR PAGE WILL FOLLOW EACH COPY, THUS,  
IF YOU HAVE MANY COPIES OF A SMALL DOCUMENT, YOU  
MAY WISH TO COMBINE THE COPIES INTO ONE FILE BEFORE  
SENDING IT TO THE XEROX.)

JOB - NAME OF THE XEROX 8700 JOB TO PROCESS THE FILE  
(IN EACH OF THE FOLLOWING, THE LAST 3 CHARACTERS OF  
THE JOB NAME INDICATE THE STYLE (LND=LANDSCAPE;  
PRT=PORTRAIT). ALSO, THE NUMBER OF CHARACTERS IS  
IN ADDITION TO THE CARRIAGE CONTROL CHARACTER IN  
COLUMN 1)

JOB	MAX			USE
	COLS	X	LNS	
STDLND	136	X	64	SANS-SERIF STANDARD PRINTOUTS (COMPILE/LOAD MAPS, PGM OUTPUT - CONTINUOUS)
CMPLND	136	X	64	SANS-SERIF LIKE STDLND - FORTRAN COMPILE/LOAD MAPS - EACH ROUTINE STARTS ON A NEW PAGE
LN8LND	136	X	88	SANS-SERIF 8 LPI - DAYFILES COMPILE/LOAD MAPS DONE WITH PD=8
2ACLND	66	X	60 (TWICE)	SANS-SERIF 2-ACROSS (LIKE COMPUTER CENTER NOTE) XEROX - 1 OF 3

STDPRT	72 X 64	PICA	1T-STYLE: GENERAL DOCUMENTATION
ST3PRT	94 X 66	SANS-SERIF	VERY LARGE MARGINS
ST4PRT	87 X 64	ELITE	1T-STYLE: GENERAL DOCUMENTATION; MANUALS (CONTINUOUS PRINTOUT)
DOCPRT	87 X 64	ELITE	LIKE ST4PRT, EXCEPT DOCUMENTS HAVE '.' IN COLUMN 76 TO FORCE EACH TO START ON A NEW PAGE
VAXDOC	87 X 66	ELITE	LIKE ST4PRT, EXCEPT EACH PAGE HAS EXACTLY 66 LINES (NO '1')
2UPPRT	136 X 132	SANS-SERIF	2-UP COMPACT STORAGE OF STANDARD PRINTOUTS
2UCPRT	136 X 132	SANS-SERIF	LIKE 2UPPRT, EXCEPT CONTINUOUS (FOR 2-PAGE PLOTS)
2U8PRT	136 X 176	SANS-SERIF	LIKE 2UPPRT, 8 LPI

**PAPER - PAPER TO BE USED**

PLAIN - UNPUNCHED  
ANYTHING ELSE - 3-HOLE PUNCHED

**DUPLEX - ONE- OR TWO-SIDED PRINTING (SIMPLEX/DUPLEX)**

OMITTED OR YES - TWO-SIDED PRINTING  
NO - ONE-SIDED PRINTING

**FORMS - NAME OF FORMS OVERLAY**

NONE - NO FORMS OVERLAY (DEFAULT)

**LANDSCAPE:**

FRAME1 - BOX AROUND PAGE (ONE SOLID LINE)  
FRAME2 - BOX AROUND PAGE (TWO SOLID LINES)  
FRAME3 - BOX AROUND PAGE (THREE SOLID LINES)  
FRAME4 - BOX AROUND PAGE (ONE SOLID/SHADE LINE)  
2UPL1 - SOLID LINE DIVIDING TWO PAGES  
2UPB1 - SOLID BOXES DRAWN AROUND TWO PAGES  
2UPL2 - DOUBLE SOLID LINES DIVIDING TWO PAGES

**PORTRAIT:**

FRAMP1 - BOX AROUND PAGE (ONE SOLID LINE)  
FRAMP2 - BOX AROUND PAGE (TWO SOLID LINES)  
FRAMP3 - BOX AROUND PAGE (THREE SOLID LINES)  
FRAMP4 - BOX AROUND PAGE (ONE SOLID/SHADE LINE)  
2UP3L - TRIPLE SOLID LINES DIVIDING TWO PAGES  
2UPSL - SINGLE SHAD LINE DIVIDING TWO PAGES  
2UPSB - SHAD BAR DIVIDING TWO PAGES  
2UPB2 - TWO SOLID LINE BOXES ON A PAGE

WEEKLY - CHECKLIST BY DAYS

JDL - JOB DESCRIPTOR LIBRARY NAME  
OMITTED - USE THE DEFAULT PUBLIC LIBRARY  
COD189 - REQUIRED FOR CODE 189 PERSONNEL

DEFAULT BEGIN STATEMENT

BEGIN,XEROX,,OUTPUT,@,1,STDLND,3HOLE,YES,NONE,DEFAULT.  
@ - FID REQUIRED

MAX FL: 13000B

REMARKS

LANDSCAPE STYLE IS HORIZONTAL (11 X 8-1/2); PORTRAIT IS  
VERTICAL (8-1/2 X 11).

DUPLEX PRINTING SHOULD BE USED UNLESS THERE IS A COMPELLING  
REQUIREMENT FOR SIMPLEX PRINTING.

SAMPLES OF THE AVAILABLE TYPES OF XEROX 8700 OUTPUT MAY BE  
VIEWED IN USER SERVICES.

THE FILE <LFN> IS REWOUND AFTER COMPLETION OF THE PROCEDURE.

THIS IS AN INTERACTIVE PROCEDURE. ANY PARAMETER ERRORS WILL  
CAUSE PROMPTING FOR A VALID RESPONSE. WHEN RUN FROM BATCH,  
MOST PARAMETER ERRORS WILL CAUSE THE PROCEDURE TO TERMINATE.

ERROR MESSAGES

COPIES (<COPIES>) MUST BE NUMERIC  
YOU SPECIFIED A NON-NUMERIC VALUE FOR THE NUMBER OF  
COPIES. LOOK FOR TOO MANY OR TOO FEW COMMAS.

FID REQUIRED

THE FILE ID MUST BE SPECIFIED.

AUTHOR

BARBARA DAVIS - DTNSRDC CODE 1896  
DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 1983 (BD)

DATE(S) REVISED

01/16/84 - DVS - GENERALIZED AND ADDED TO PUBLIC PROCEDURE  
FILE  
01/27/84 - DVS - REWIND LFN AFTER USE  
04/23/84 - DVS - MAKE INTERACTIVE  
05/02/84 - DVS - ADD VAXDOC TO LIST OF <JOB>S  
05/21/84 - DVS - ADD JDL PARAMETER  
06/05/84 - DVS - ADD 2UCPRT TO LIST OF JOB NAMES  
08/30/84 - PUT INTERACTIVE VERSION INTO INTEACTIVE FILE  
- PUT NON-INTERACTIVE VERSION INTO REGULAR FILE

ANOTHER COPY OF THIS DOCUMENT

BEGIN,DOCGET,,PROCFIL,,XEROX,OUTPUT,MSACCES=<PASSWORD>.

INITIAL DISTRIBUTION

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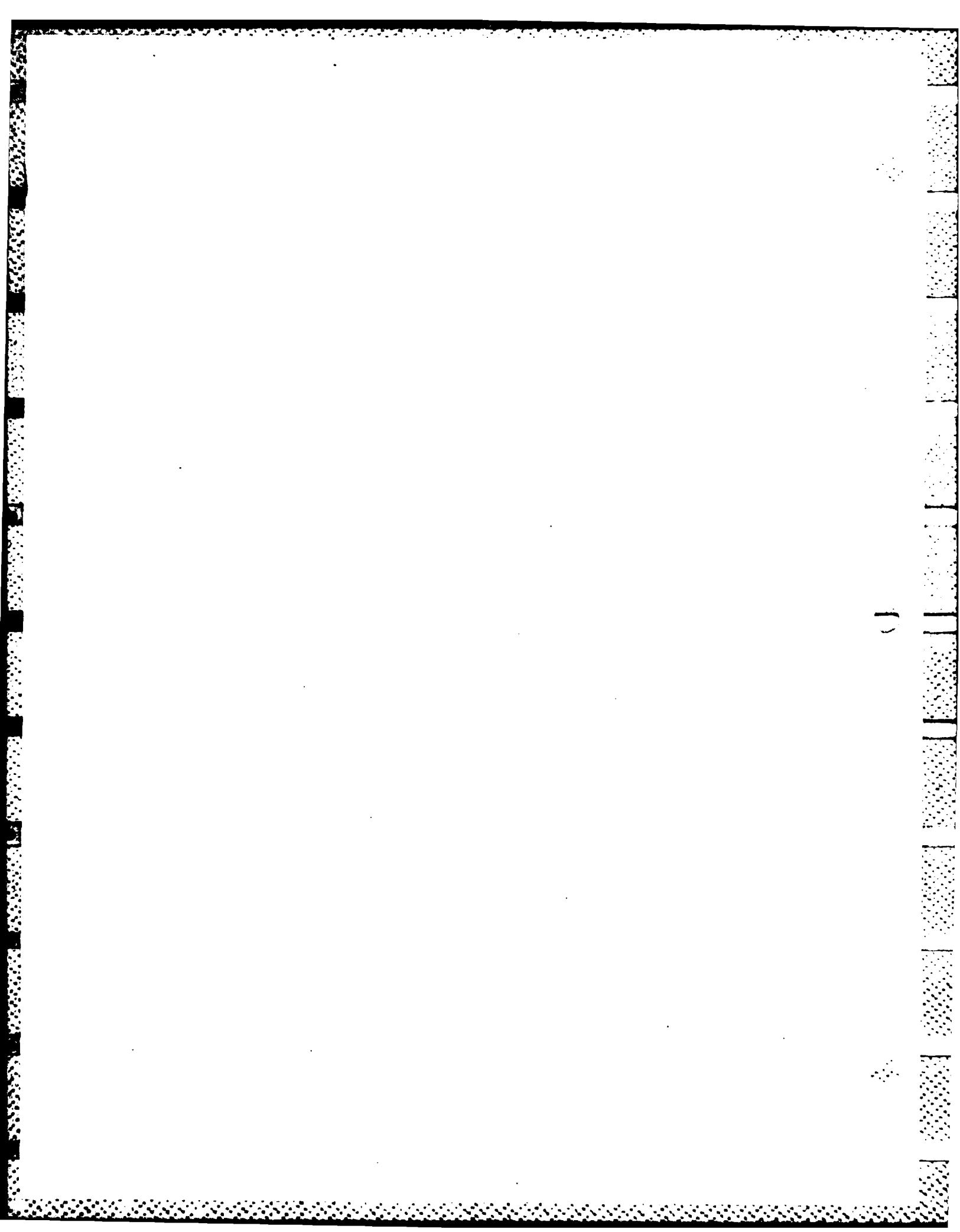
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2	1808	WILDY, D.
1	182	CAMARA, A. W.
1	184	SCHOT, J. W.
1	185	CORIN, T.
1	187	ZUBKOFF, M. J.
1	189	GRAY, G. R.
1	189.2	HAYDEN, H. P.
1	189.3	MORRIS, JEAN
40	1892.1	STRICKLAND, J. D.
5	1892.2	SOMMER, D. V.
1	1892.3	MINOR, L. R.
1	1894	SEALS, W.
1	1896	GLOVER, A.
1	1896.2	DENNIS, L.
1	522	TIC (C)
1	522.2	TID (A)
1	93	PATENT COUNSEL



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